



BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

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A2008017

Application of the California High-Speed Rail Authority for Approval to Construct Five New Grade-Separated Crossings Over Two Proposed High-Speed Rail Tracks Operated by California High-Speed Rail Authority at Dover Avenue (217.82), Hanford-Armona Road (224.92), Houston Avenue (225.96), Idaho Avenue (227.96), and Jackson Avenue (228.97), And One Underpass Grade-Separated Crossing under Two High-Speed Rail tracks at Grangeville Boulevard (222.91), Located in the County of Kings, State of California.

Application No. _____

APPLICATION

This application is a resubmission of a previously submitted document (A1805020), as new information has been updated. In accordance with Rule 3.7 and Rule 3.9 of the Rules of Practice and Procedure of the California Public Utilities Commission (“Commission” or “CPUC”), the Applicant, California High-Speed Rail (“Authority” or “CHSRA”) hereby seeks authority from the Commission to construct five new roadway overpass grade separations over two high-speed rail tracks, one each at Dover Avenue, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue and one underpass grade separation, in accordance with Rule 3.9 of the Commission’s Rules of Practice and Procedure, at Grangeville Boulevard under two high-speed rail tracks. These projects are located within the Construction Package 2-3 (“CP 2-3”) in Kings County, State of California. The proposed grade-separated crossings at Dover Avenue, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue will cross over the CHSRA mainlines and at Grangeville Boulevard will cross under the CHSRA mainlines, and are part of the proposed California High-Speed Train System (CHSTS).

In support of this application, the Applicant asserts that:

1. The Applicant’s exact legal name is California High-Speed Rail Authority, hereinafter referred to as “Authority” or “CHSRA”, a public agency and subdivision of State of California formed pursuant to the California High-Speed Rail Act. (California Public Utilities Code § 185000 et seq.

2. Applicant's principal place of business is located at the office of:

California High-Speed Rail Authority (CHSRA)

770 L Street, Suite 620

Sacramento, CA 95814

Attention: Bruce Armistead - Director of Operations and Maintenance

E-mail: Bruce.armistead@hsr.ca.gov

3. All correspondence, communication notices, orders, and other papers relative to this application should be addressed to:

CP 2-3 Team

California High-Speed Rail Authority

1775 Park Street, Building 75A

Selma, CA 93662

Attention: Haidar Haddadin– Construction Oversight Manager

E-mail: Haidar.Haddadin@hsr.ca.gov

4. CHSRA is the railroad property owner at the proposed crossings. CHSRA is working cooperatively with the stakeholders along the corridor, which include government agencies and railroads.

5. The authorization to construct the Project is requested pursuant to Sections 1201 through 1205 of the Public Utilities Code and is made in accordance with the Commission's Rules of Practice and Procedure, Rule 3.7 and Rule 3.9 for the five overpasses, Dover Avenue, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue , and Rule 3.9 for the underpass at Grangeville Boulevard.

6. The proposed grade-separated crossings at Dover Avenue, Grangeville Boulevard, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue are part of the CHSRA Construction Package 2-3 (CP 2-3) program and include construction of five new roadway overpass grade separations at Dover Avenue, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue and one underpass grade separation at Grangeville Boulevard. The proposed overpass grade separations at Dover Avenue, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue will each cross over two CHSRA mainline tracks and the underpass grade separation at Grangeville Boulevard will cross under two CHSRA mainline tracks and will conform to CHSRA and CPUC standards.

The CP 2-3 project limits extend 65.5 miles from East American Avenue in Fresno County to one mile north of Tulare-Kern County line. The CP 2-3 project consists of two CHSTS mainline tracks, generally aligned in a north-south direction. The proposed crossings of the CP 2-3 project include approximately thirty-six (36) grade separations in the counties of Fresno, Tulare, and Kings, including viaducts, underpasses and overpasses.

7. The purpose of these grade-separated crossings in the CP 2-3 project is to provide the safety of motorists and pedestrians. The proposed new grade-separated crossings at Dover Avenue, Grangeville Boulevard, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue will allow for safe and simultaneous movement of roadway and rail modes of travel. All CHSRA structures are in compliance with AREMA standards throughout the project.

For the protection of the general public and CHSTS passengers, the CHSTS will be a closed corridor with a continuous 8 foot high welded wire mesh Access Restricted (AR) fence or barrier to prevent unauthorized access to CHSRA right-of-way. In addition to the AR fence or barrier walls, intrusion monitoring and detection is proposed.

8. For the proposed crossings stated herein as required by CPUC Rules of Practice and Procedure, Rule 3.7 and Rule 3.9, the CHSTS milepost, proposed CPUC crossing number, and DOT crossing number on the Sierra Subdivision are listed in the following table.

Crossing Name	CHSTS Milepost	Proposed CPUC#	Proposed DOT#
Dover Avenue	217.82	135S-217.82-A	973179S
Grangeville Boulevard	222.91	135S-222.91-B	973183G
Hanford-Armona Road	224.92	135S-224.92-A	793192F
Houston Avenue	225.96	135S-225.96-A	973193M
Idaho Avenue	227.96	135S-227.96-A	973194U
Jackson Avenue	228.97	135S-228.97-A	973195B

For Dover Avenue, the following structure coordinates are longitude -119.599°and latitude 36.415°.

For Grangeville Boulevard, the following structure coordinates are longitude -119.591°and latitude 36.342°.

For Hanford-Armona Road, the following structure coordinates are longitude -119.591°and latitude 36.313°.

For Houston Avenue, the following structure coordinates are longitude -119.591°and latitude 36.298°.

For Idaho Avenue, the following structure coordinates are longitude -119.591°and latitude 36.269°.

For Jackson Avenue, the following structure coordinates are longitude -119.593°and latitude 36.254°.

9. The nearest existing public crossings on each side of the proposed crossings at Dover Avenue, Grangeville Boulevard, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue are located as follows: (Rule 3.7 (b))

- For Dover Avenue: Dover Avenue (BNSF) at-grade crossing, CPUC No. 002-974.30 and DOT No. 028433M to the west of proposed crossing.
- For Grangeville Boulevard: Grangeville Boulevard (BNSF) at-grade crossing, CPUC No. 002-969.10 and DOT No. 028428R to the west of proposed crossing.
- For Hanford-Armona Road: Hanford-Armona Road (BNSF) at-grade crossing, CPUC No. 002-967.00 and DOT No. 028410F to the west of the proposed crossing.
- For Houston Avenue: Houston Avenue (BNSF) at-grade crossing, CPUC No. 002-965.90 and DOT No. 028409L to the west of the proposed crossing.
- For Idaho Avenue: Idaho Avenue (BNSF) at-grade crossing, CPUC No. 002-964.00 and DOT No. 028406R to the west of the proposed crossing.

- For Jackson Avenue: Jackson Avenue (BNSF) at-grade crossing, CPUC No. 002-963.00 and DOT No. 028403V to the west of the proposed crossing.

10. The overall length and width dimensions of the proposed grade-separated crossings at Dover Avenue, Grangeville Boulevard, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue are provided in Structural drawings in Exhibit D.

11. The overhead contact system, which will supply energy to the rail vehicles, is consistent with the requirements of General Orders 26-D, 95, 128, and 176.

The horizontal and vertical clearance dimensions provided in the structural drawings in Exhibit D comply with CPUC General Order 26-D. See table A for further information for horizontal and vertical clearances for the proposed crossings at Dover Avenue, Grangeville Boulevard, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue.

Table A - Exhibit D Structure Overhead Drawings

Crossing Name	Minimum Vertical Clearance	Minimum Horizontal Clearance
Dover Avenue	27'-0"	25'-0" from centerline of track to closest obstruction
Grangeville Boulevard	16'-6"	38'-0" from centerline of road to closest obstruction
Hanford-Armona Road	27'-0"	25'-0" from centerline of track to closest obstruction
Houston Avenue	27'-0"	25'-0" from centerline of track to closest obstruction
Idaho Avenue	27'-0"	25'-0" from centerline of track to closest obstruction
Jackson Avenue	27'-0"	25'-0" from centerline of track to closest obstruction

The construction of the High-Speed Rail crossing at Dover Avenue will require a temporary street closure of Dover Avenue and 8th Avenue, in order to construct a grade separation. The Dover Avenue alternative route for going east-west direction will be Excelsior Avenue.

The construction of the High-Speed Rail crossing at Grangeville Boulevard will require a temporary street closure of Grangeville Boulevard, in order to construct a grade separation. The Grangeville Boulevard alternative route for going east-west direction will be with Fargo Avenue or Lacey Boulevard.

The construction of the High-Speed Rail crossing at Hanford-Armona Road will require a temporary street closure of Hanford-Armona Road, south of State Route 198, in order to construct a grade separation. The Hanford-Armona Road alternative route of going east-west will consist of Houston Avenue.

The construction of the High-Speed Rail crossing at Houston Avenue will require a temporary street closure of Houston Avenue, in order to construct a grade separation. The Houston Avenue alternate route will consist of two parallel roads. Hanford-Armona Road and Iona Avenue will be used to travel east-west.

The construction of the High-Speed Rail crossing at Idaho Avenue will require a temporary street closure of Idaho Avenue, in order to construct a grade separation. The Idaho Avenue alternate route will consist of two parallel roads. It will consist of Iona Avenue and Jackson Avenue for going east-west.

The construction of the High-Speed Rail crossing at Jackson Avenue will require a temporary street closure of Jackson Avenue, in order to construct a grade separation. The Jackson Avenue alternate route for going east-west will consist of two roads. It will consist of Idaho Avenue and Jersey Avenue for going east-west.

The CHSRA, as the lead agency under the provisions of the California Environmental Quality Act (CEQA), prepared the *Final Environmental Impact Report/ Environmental Impact Statement (Final EIR/EIS)* for the Fresno to Bakersfield section of the California High-Speed Train project. The Federal Railroad Administration (FRA) was the lead agency under the National Environmental Policy Act (NEPA). The Notice of Determination (NOD) for the *Final EIR/EIS* was certified on May 07, 2014, and the Record of Decision (ROD) was dated on June 27, 2014. The *Final EIR/EIS* for the Fresno to Bakersfield Section of the California High-Speed Train project was provided to the Commission (Rule 2.4) on archival and standard CD-ROM/DVD as Exhibit I to Application A1709017. The *Final EIR/EIS* is made a part of hereof by reference. A Notice of Availability for the *Final EIR/EIS* and Certificate of Service are filed with this application.

Construction of the California High Speed Train System (CHSTS) complies with all environmental regulations for the proposed grade-separated crossings at Dover Avenue, Hanford-Armona Road, Houston Avenue, Idaho Avenue, Jackson Avenue and Grangeville Boulevard.

The environmental impacts and mitigation specifically associated with this portion of the project can be found within the following sections of the Final Environmental Impact Report/Environmental Impact Statement (Final EIR/EIS) for the Fresno to Bakersfield Section of the California High-Speed Train Project, dated April 2014, related to the proposed railroad crossings of the California High Speed Rail Train System, Sierra Subdivision mileposts 217.82, 224.92, 225.96, 227.96, 228.97, and 222.91.

Final EIR/EIS Summary

- Volume I: Report, Chapter 2, Alternatives, discusses the alternative alignments contemplated in the EIR/EIS. (2-21 to 2-32)
- Volume I: Report, Chapter 7, Preferred Alternative, identifies and discusses the Preferred Alternative. (7-7 to 7-15)
- Roadway crossings over CHSRA are Project Design Features to mitigate impacts to local transportation networks resulting from implementation of the Preferred Alternative. (3.19-7 to 3.19-9)

- Dover Avenue, Grangeville Boulevard, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue grade-separated crossings are identified in Volume I: Report; Chapter 3.2, Transportation, Figure (3.2-23.)
- Impacts resulting from implementation of the Preferred Alternative are analyzed in their appropriate sections in Volume I: Report sections and in Volume II: Technical Appendices.
- Dover Avenue, Grangeville Boulevard, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue grade-separated crossings designs are detailed in Volume III, Alignment Plans, Section C- Roadway and Grade Separation Plans.
- CHSRA Approved Resolution # CHSRA 14-10, attachment B approved Mitigation, Monitoring and Reporting Program for the certified FEIR/EIS with specific measures to be implemented project-wide (attached). These measures, in addition to Project Design Features, are applicable to the Dover Avenue, Grangeville Boulevard, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue grade-separated crossings.

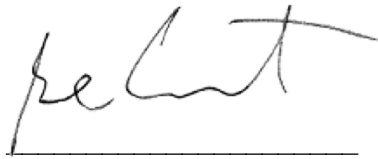
Permitting

- The project has the following permits for the current design of CHSRA CP 2-3 (including Dover Avenue, Grangeville Boulevard, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue grade-separated crossings):
- Voluntary Emissions Reduction Agreement – San Joaquin Valley Air Pollution Control District
- Dust Control Plan – San Joaquin Valley Air Pollution Control District
- California Endangered Species Act Incidental Take Permit – California Department of Fish and Wildlife
- Master Streambed Alteration Agreement – California Department of Fish and Wildlife
- Biological Opinion – U.S. Fish & Wildlife Service
- Stormwater Pollution Prevention Plan – State Water Resources Control Board
- Clean Water Act Section 401 Certification – State Water Resources Control Board
- Clean Water Act Section 404 Permit- U.S. Army Corps of Engineers

**WHEREFORE, Applicant, California High-Speed Rail Authority, respectfully
requests:**

1. That the Public Utilities Commission of the State of California issues an order authorizing the construction of five new overpass grade-separated highway-rail crossings over two high-speed rail tracks, one each at Dover Avenue, Hanford-Armona Road, Houston Ave, Idaho Avenue, and Jackson Avenue, and one underpass grade-separated crossing under two tracks at Grangeville Boulevard, on the plans and specifications set forth in Exhibit D and Exhibit E, pursuant to the provisions of Sections 1201-1205, inclusive, of the California Public Utilities Code and the Commission's Rules of Practice and Procedure, Rule 3.7 and Rule 3.9 for the five overpasses, and Rule 3.9 for the underpass at Grangeville Boulevard.
2. That the Order provides Thirty-Six (36) months from the date of such an Order within which to complete the work requested.

California High-Speed Rail Authority

A handwritten signature in black ink, appearing to read "Bruce Armistead", written over a horizontal line.

Bruce Armistead

770 L Street, Suite 620

Sacramento, CA 95814

Overpass Grade-Separated Crossings
at Dover Avenue (217.82), Hanford-
Armona Road (224.92), Houston
Avenue (225.96), Idaho Avenue
(227.96), and Jackson Avenue
(228.96), And One Underpass
Grade-Separated Crossing at
Grangeville Boulevard (222.91)

“List of Exhibits”

In support of the present application for the proposed five overpass grade separations at Dover Avenue, Hanford-Armona Road, Houston Ave, Idaho Avenue, and Jackson Avenue and one underpass grade separation at Grangeville Boulevard, the following exhibits are transmitted as required by the referenced portions of CPUC Rules of Practice and Procedures, Rule 3.7 and Rule 3.9:

- EXHIBIT A: Crossing Legal Descriptions in conformance with the requirements of CPUC Rules of Practice and Procedure, Rule 3.7 (a).
 - A1 – Dover Avenue
 - A2 – Grangeville Boulevard
 - A3 – Hanford-Armona Road
 - A4 – Houston Avenue
 - A5 – Idaho Avenue
 - A6 – Jackson Avenue

- EXHIBIT B: Location Map; showing the location of the Project in relation to the existing roads and streets in general vicinity, in conformance with the requirements of CPUC Rules of Practice and Procedure, Rule 3.7 (e).
 - B1 – Dover Avenue
 - B2 – Grangeville Boulevard
 - B3 – Hanford-Armona Road
 - B4 – Houston Avenue
 - B5 – Idaho Avenue
 - B6 – Jackson Avenue

- EXHIBIT C: Vicinity Map; showing accurate locations of all streets, roads, property lines, tracks, buildings, structures or other obstructions to view in each direction from proposed crossings, in conformance with the requirements of CPUC Rules of Practice and Procedure, Rule 3.7 (d).
 - C1 – Dover Avenue
 - C2 – Grangeville Boulevard
 - C3 – Hanford-Armona Road
 - C4 – Houston Avenue
 - C5 – Idaho Avenue
 - C6 – Jackson Avenue

- EXHIBIT D: Overhead Structural Drawings; showing Plan view, Elevation, and Typical Cross Sections of the proposed crossings.
 - D1 – Dover Avenue
 - D2 – Grangeville Boulevard
 - D3 – Hanford-Armona Road
 - D4 – Houston Avenue
 - D5 – Idaho Avenue
 - D6 – Jackson Avenue

- EXHIBIT E: Profile Plan Drawings; showing underground lines and grade line and rate of grades of approaches on all roadways and railroads affected by the proposed crossings at Dover Avenue, Grangeville Boulevard, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue, in conformance with the requirements of CPUC Rule of Practice and Procedure, Rule 3.7 (f).
- Rule 3.7 (f).
 - E1 – Dover Avenue
 - E2 – Grangeville Boulevard
 - E3– Hanford-Armona Road
 - E4– Houston Avenue
 - E5 – Idaho Avenue
 - E6 – Jackson Avenue

EXHIBIT F: Motorist Information Plan; showing temporary closures and detours on all roadways and railroads affected by the proposed crossings at Dover Avenue, Grangeville Boulevard, Hanford-Armona Road, Houston Avenue, Idaho Avenue, and Jackson Avenue.

- F1 – Dover Avenue
 - F2 – Grangeville Boulevard
 - F3 – Hanford-Armona Road
 - F4 – Houston Avenue
 - F5 – Idaho Avenue
 - F6 – Jackson Avenue
- EXHIBIT G: Local Project Support in accordance with CPUC Rules of Practice and Procedure, Rule 3.7 and Rule 3.9.
 - G1 – Settlement Agreement between CHSRA and Kings County
- EXHIBIT H: Verification for Application
- EXHIBIT I: Notice of Availability
 - The approved final Environmental Impact Report / Environmental Impact Statement (EIR/EIS) pursuant to Division 13 of the Public Resources Code, California Environmental Quality Act (CEQA). The approved document included in DVD format contains the Record of Decision (ROD), Memorandum of Agreement between the Federal Railroad Administration (FRA), CHSRA and Surface Transportation Board (STB).
- EXHIBIT J: Scoping Memo
 - J1 – Dover Avenue
 - J2 – Grangeville Boulevard
 - J3 – Hanford-Armona Road
 - J4 – Houston Avenue
 - J5 – Idaho Avenue
 - J6 – Jackson Avenue
- K: Certification of Service

EXHIBIT A1

Crossing Legal Descriptions

Dover Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0029-1 (FEE)

For rail purposes, that portion of land situated in the County of Kings, State of California, being a portion of that certain parcel described in Book 1054 at Page 565, recorded August 1, 1975, Official Records of said County, said portion described as follows:

COMMENCING at the West Quarter corner of Section 28 as shown on that certain "RECORD OF SURVEY", filed in Book 13 of Licensed Surveyor's Plats, Page 17; thence along the West line of the southwest quarter of said Section 28 South 00°44'32" West 1,443.97 feet to the **POINT OF BEGINNING**, said point also being the beginning of a non-tangent curve concave southwesterly and having a radius of 36,560.00 feet (a radial line from the radius point to the beginning of said curve bears North 67°43'04" East); thence southeasterly 1262.81 feet along said curve, through a central angle of 01°58'45" to the northerly line as described in that certain deed recorded in Book 1 of Rights of Way, Page 379, Records of said County; thence North 89°48'02" West 128.14 feet along said northerly line to the beginning of a non-tangent curve concave southwesterly and having a radius of 36,440.00 feet (a radial line from the radius point to the beginning of said curve bears North 69°37'35" East); thence northwesterly 928.79 feet along said curve, through a central angle of 01°27'37" to said West line of the southwest quarter of Section 28; thence North 00°44'32" East 309.66 feet along last said line to the **POINT OF BEGINNING**.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 58, pages 71 to 72, Epoch 2007.00. Multiply distances shown above by 1.000066514 to obtain ground level distances.

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Signature  12/2/14
Dan S. Scott III, PLS 7840 Date



EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0029-2 (FEE)

For rail purposes, that portion of land situated in the County of Kings, State of California, being a portion of that certain parcel of land described in Individual Grant Deed recorded August 1, 1975 in Book 1054 at Page 565, Official Records of said County, described as follows:

COMMENCING at the West 1/4 corner of Section 28, township 17 South, Range 22 East Mount Diablo Base and Meridian, as shown on that certain "RECORD OF SURVEY", filed May 19, 1987 in Book 13 of Licensed Surveyors' Plats, Page 17, Records of said County; thence South 00°44'32" West 652.47 feet along the West line of said Section 28 to the **POINT OF BEGINNING**; thence South 89°38'41" East 20.01 feet; thence South 00°24'12" East 230.00 feet to the beginning of a curve concave southwesterly and having a radius of 1160.00 feet; thence southeasterly 690.45 feet along said curve, through a central angle of 34°06'11"; thence North 52°07'05" East 22.55 feet to the beginning of a non-tangent curve concave southwesterly and having a radius of 800.00 feet (a radial line from the radius point to the beginning of said curve bears South 52°17'11" West); thence southeasterly 233.33 feet along said curve, through a central angle of 16°42'39"; thence South 54°25'28" East 265.51 feet to the beginning of a curve concave northeasterly and having a radius of 780.00 feet; thence southeasterly 709.41 feet along said curve, through a central angle of 52°06'39"; thence South 81°16'58" East 152.93 feet to the beginning of a curve concave southerly and having a radius of 4000.00 feet; thence easterly 376.33 feet along said curve, through a central angle of 05°23'26" to the beginning of a reverse curve concave northerly and having a radius of 2000.00 feet; thence easterly 345.01 feet along said curve, through a central angle of 09°53'02"; thence South 85°46'34" East 188.31 feet; thence South 00°04'46" West 23.07 feet to a line that is parallel with and 20.00 feet northerly of the South line of said Section 28; thence along said parallel line North 89°48'02" West 1552.03 feet to the beginning of a non-tangent curve concave southwesterly and having a radius of 36,560.00 feet (a radial line from the radius point to the beginning of said curve bears North 69°41'49" East); thence northwesterly 221.17 feet along said curve, through a central angle of 00°20'48" to the beginning of a non-tangent curve concave southerly and having a radius of 4835.41 feet (a radial line from the radius point to the beginning of said curve bears North 00°18'16" West); thence easterly 160.83 feet along said curve, through a central angle of 01°54'21" to the beginning of a non-tangent curve concave southwesterly and having a radius of 650.00 feet (a radial line from the radius point to the beginning of said curve bears South 79°41'35" East); thence northerly 540.55 feet along said curve, through a central angle of 47°38'53"; thence North 37°20'28" West 409.98 feet; thence North 55°25'51" East 20.55 feet to the beginning of a non-tangent curve concave northeasterly and having a radius of 1130.00 feet (a radial line from the radius point to the beginning of said curve bears South 54°24'26" West); thence northwesterly 452.99 feet along said curve, through a central angle of

NUMBER: FB-16-0029

22°58'07" to said West line of the Southwest Quarter of Section 28; thence North 00°44'32" East 503.76 feet along said west line to the **POINT OF BEGINNING**.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 58, pages 71 to 72, Epoch 2007.00. Multiply distances shown above by 1.000066514 to obtain ground level distances.

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Signature  12/2/14
Dan S. Scott III, PLS 7840 Date



EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0029-3 (FEE)

For rail purposes, that portion of land situated in the County of Kings, State of California, being a portion of that certain parcel of land described in Individual Grant Deed recorded August 1, 1975 in Book 1054 at Page 565, Official Records of said County, described as follows:

COMMENCING at the West 1/4 corner of Section 28, township 17 South, Range 22 East Mount Diablo Base and Meridian, as shown on that certain "RECORD OF SURVEY", filed May 19, 1987 in Book 13 of Licensed Surveyors' Plats, Page 17, Records of said County; thence South $00^{\circ}44'32''$ West 2,417.30 feet along the West line of the southwest quarter of said Section 28 to the **POINT OF BEGINNING**, said point also being the beginning of a non-tangent curve concave southerly and having a radius of 4,374.17 feet (a radial line from the radius point to the beginning of said curve bears North $04^{\circ}18'52''$ West); thence easterly 262.79 feet, through a central angle of $03^{\circ}26'32''$ to the beginning of a non-tangent curve concave southwesterly and having a radius of 36,440.00 feet (a radial line from the radius point to the beginning of said curve bears North $69^{\circ}15'56''$ East); thence southeasterly 229.35 feet along said curve, through a central angle of $00^{\circ}21'38''$ to the northerly line as described in that certain deed recorded in Book 1 of Rights of Way, Page 379, records of said county; thence North $89^{\circ}48'02''$ West 345.62 feet along said northerly line to said West line of the southwest quarter of Section 28; thence North $00^{\circ}44'32''$ East 201.67 feet along said west line to the **POINT OF BEGINNING**.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 58, pages 71 to 72, Epoch 2007.00. Multiply distances shown above by 1.000066514 to obtain ground level distances.

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.

Signature



Dan S. Scott III, PLS 7840

12/2/14

Date



CALIFORNIA • HIGH SPEED RAIL AUTHORITY
APPRAISAL TITLE PAGE
(Rev. 7-2012)

FB-16-0029

Parcel No.

Kings
Co

Project Section:

Type of Title Required:

DATES

Environmental Site
Assessment Phase I
Date

Environmental Site
Assessment Phase II
Date or N A

Appraisal Date

08/01/2014

08/15/2014

The appraisals contained herein are confidential and have been prepared for use by the HSR Authority only as step in the eminent domain process upon which to base offers of settlement and thereafter acquire said parcels by condemnation if the offer is refused.

The undersigned has reviewed and approves or recommends approval of this report and certifies that the requirements of The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (Uniform Act) have been met.

RECOMMENDED FOR APPROVAL:

STEVE BERKSTRESSER
Senior Right of Way Agent
California High-Speed Rail Authority


Signature

12/19/14
Date

APPROVED:

STATE OF CALIFORNIA
State Public Works Board

Name: 12/19/14 Approval Dated 12/19/14

Designated Representative

Signature: [Signature]

JUST COMPENSATION APPROVED
PER DELEGATED AUTHORITY

\$

[Redacted Signature]

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0022-2 (FEE)

For rail purposes, that portion of land situated in the County of Kings, State of California, being a portion of that certain Parcel 3 described in Document No. 2007-00177, recorded January 03, 2007, Official Records of said County, said land also being a portion of Parcel 1 as shown on that certain "PARCEL MAP, THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 29, T. 17 S., R. 22 E., M.D.B. & M., IN THE COUNTY OF KINGS, STATE OF CALIFORNIA", recorded in Book 14 of Parcel Maps, page 68, said portion described as follows:

COMMENCING at the southeasterly corner of Parcel 2 as shown on said map; thence along the easterly line of said Parcel 2 North $00^{\circ}44'32''$ East 173.55 feet to the **POINT OF BEGINNING**, said point also being the northeasterly corner of said Parcel 2; thence along the northerly line of said Parcel 2 North $89^{\circ}51'13''$ West 389.43 feet to the beginning of a non-tangent curve concave southeasterly and having a radius of 4,374.17 feet (a radial line from the radius point to the beginning of said curve bears North $09^{\circ}27'45''$ West); thence easterly 393.02 feet, through a central angle of $05^{\circ}08'53''$ to the easterly line of said Parcel 1; thence along said easterly line South $00^{\circ}44'32''$ West 48.12 feet to the **POINT OF BEGINNING**.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 58, pages 71 to 72, Epoch 2007.00. Multiply distances shown above by 1.000066514 to obtain ground level distances.

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.

Signature



Dan S. Scott III, PLS 7840

12/2/14

Date



EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0022-3 (FEE)

For rail purposes, that portion of land situated in the County of Kings, State of California, being a portion of that certain Parcel 3 described in Document No. 2007-00177, recorded January 03, 2007, Official Records of said County, said land also being a portion of Parcel 1 as shown on that certain "PARCEL MAP, THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 29, T. 17 S., R. 22 E., M.D.B. & M., IN THE COUNTY OF KINGS, STATE OF CALIFORNIA", recorded in Book 14 of Parcel Maps, page 68, said portion described as follows:

COMMENCING at the southeasterly corner of Parcel 2 as shown on said map; thence along the southerly line of said Parcel 2 North $89^{\circ}51'13''$ West 501.97 feet to the **POINT OF BEGINNING**, said point also being the southwesterly corner of said Parcel 2; thence along the most southerly line of said Parcel 1 North $89^{\circ}51'13''$ West 882.06 feet; thence North $00^{\circ}04'02''$ East 20.00 feet; thence South $89^{\circ}51'13''$ East 190.07 feet; thence North $00^{\circ}12'34''$ East 31.73 feet to the beginning of a non-tangent curve concave northerly and having a radius of 3,000.00 feet (a radial line from the radius point to the beginning of said curve bears South $02^{\circ}19'10''$ East); thence easterly 507.37 feet, through a central angle of $09^{\circ}41'24''$ to the beginning of a reverse curve concave southerly and having a radius of 4,374.17 feet; thence easterly 194.44 feet, through a central angle of $02^{\circ}32'49''$ to the westerly line of said Parcel 2; thence along said westerly line South $00^{\circ}44'23''$ West 152.94 feet to the **POINT OF BEGINNING**.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 58, pages 71 to 72, Epoch 2007.00. Multiply distances shown above by 1.000066514 to obtain ground level distances.

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Signature  12/2/14
Dan S. Scott III, PLS 7840 Date



EXHIBIT "A"
LEGAL DESCRIPTION

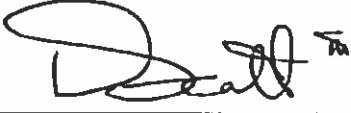
PARCEL FB-16-0023-1 (FEE)

For rail purposes, that portion of land situated in the County of Kings, State of California, being a portion of that certain parcel described in Document No. 1997-04746, recorded March 14, 1997, Official Records of said County, said portion described as follows:

BEGINNING at the southeasterly corner of Parcel 2 as shown on that certain "PARCEL MAP", filed in Book 14 of Parcel Maps, Page 68, Records of said County; thence North 89°51'13" West 501.97 feet along the southerly line of said Parcel 2 to the westerly line of said Parcel 2; thence North 00°44'23" East 152.94 feet along last said line to the beginning of a non-tangent curve concave southerly and having a radius of 4,374.17 feet (a radial line from the radius point to the beginning of said curve bears North 10°57'50" West); thence easterly 114.63 feet along said curve through a central angle of 01°30'05" to the northerly line of said Parcel 2; thence South 89°51'13" East 389.43 feet along last said line to the easterly line of said Parcel 2; thence South 00°44'32" West 173.55 feet along last said line to the **POINT OF BEGINNING**.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 58, pages 71 to 72, Epoch 2007.00. Multiply distances shown above by 1.000061834 to obtain ground level distances.

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.

Signature  12/8/14
Dan S. Scott III, PLS 7840



RESOLUTION OF NECESSITY

LEGAL DESCRIPTION

FB-16-0036-1 (FEE)

For rail purposes, that portion of Parcel 1 as shown on a Parcel Map filed in Book 17 of Parcel Maps at Page 41, Kings County Records, State of California. Situated in the Northeast Quarter of Section 32, Township 17 South, Range 22 East, Mount Diablo Base and Meridian, in said Kings County, being described as follows:

COMMENCING at the Northeast Corner of said Section 32, as shown on said Parcel Map;

thence along the East line of said Section 32, South $00^{\circ}10'37''$ West a distance of 20.00 feet, to a intersection with the easterly prolongation of the North line of said Parcel 1, also being the South Right of Way of Dover Avenue (20-feet wide, half width);

thence along said easterly prolongation of the North line and Right of Way, North $89^{\circ}51'13''$ West a distance of 20.00 feet, to a point on the East line of said Parcel 1 being the Northeast corner of said Parcel 1. Said point also being the true **POINT OF BEGINNING**;

thence along said North line and Right of Way, North $89^{\circ}51'13''$ West a distance of 1,299.61 feet, to the Northwest corner of said Parcel 1;

thence along the West line of said Parcel, South $00^{\circ}09'07''$ West a distance of 12.33 feet;

thence South $89^{\circ}55'14''$ East a distance of 78.05 feet, to the beginning of a tangent curve, concave southerly, and having a radius of 990.00 feet;

thence easterly along said curve an arc distance of 47.55 feet, through a central angle of $02^{\circ}45'06''$;

thence South $00^{\circ}12'34''$ West a distance of 18.37 feet;

thence South $82^{\circ}17'00''$ East a distance of 227.27 feet, to the beginning of a tangent curve, concave southwesterly, and having a radius of 5,850.00 feet;

thence southeasterly along said curve, an arc distance of 290.14 feet, through a central angle of $02^{\circ}50'30''$;

thence South $79^{\circ}26'30''$ East a distance of 131.21 feet, to the beginning of a tangent curve, concave northeasterly, and having a radius of 14,750.00 feet;

thence southeasterly along said curve, an arc distance of 354.63 feet, through a central angle of $01^{\circ}22'39.17''$, to the beginning of a non-tangent curve, concave northeasterly, and having a radius of 9,000.00 feet, to which beginning of curve a radial bears South $83^{\circ}03'46''$ West;

thence southeasterly along said curve, an arc distance of 456.45 feet, through a central angle of $02^{\circ}54'21.06''$, to a point on the South line of said Parcel 1 being westerly and 115.55 feet distant from the Southeast corner of said Parcel 1;

thence along said South line, South $89^{\circ}50'45''$ East a distance of 115.55 feet, to the Southeast Corner of said Parcel 1;

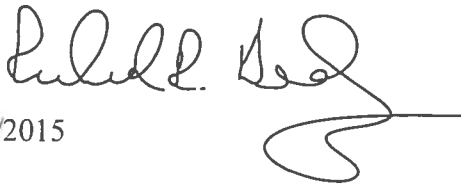
thence along said East line of Parcel 1, North $00^{\circ}10'37''$ East a distance of 641.94 feet, to the **POINT OF BEGINNING.**

Bearings and distances in the above descriptions are based on the California Coordinate System of 1983, Zone 4, as shown on un-recorded Record of Survey. Distances are U.S. Survey Feet. Divide grid distances shown herein above by 0.99993817 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors Act.

Signature:



Date: 9/02/2015



EXHIBIT "A"
LEGAL DESCRIPTION

FB-16-0038-1 (Fee)

That portion of Parcel 3 as described in a Grant Deed recorded as Doc Nbr: 1305278, recorded on March 20, 2013, records of Kings County, California; situated in Section 33, Township 17 South, Range 22 East, Mount Diablo Meridian, in said County of Kings, State of California, described as follows:

COMMENCING at the Northwest Corner of said Section 33, marked with a 2-inch brass cap stamped LS 4375;

thence along the North line of said Section 33, South 89°48'02" East a distance of 353.31 feet, to a point at the beginning of a non-tangent curve, hereinafter called Curve "A", concave southwesterly, having a radius of 36,440.00 feet, to which beginning of curve a radial bears North 69°39'36" East, said point also being the true **POINT OF BEGINNING**;

thence southeasterly along said Curve "A", through a central angle of 00°02'01", an arc distance of 21.36 feet, to a point on the south right-of-way of Dover Avenue, (40.00 feet wide), to which said point a radial bears North 69°41'36" East;

thence continuing southeasterly along said Curve "A", through a central angle of 02°10'25", an arc distance of 1,382.41 feet, to the south line of said Parcel 3;

thence along said south line, South 89°48'29" East a distance of 126.39 feet, to the beginning of a non-tangent curve, concentric with and 120.00 feet northeasterly of said Curve "A", concave southwesterly, having a radius of 36,560.00 feet, to which beginning of curve a radial bears North 71°55'46" East;

thence northwesterly along said concentric curve, through a central angle of 02° 09'56", an arc distance of 1,381.84 feet, to a point on said south right-of-way, to which said point a radial bears North 69°45'50" East;

thence continuing northwesterly along said concentric curve, through a central angle of 00°02'00", an arc distance of 21.34 feet, to said north line;

thence along said north line, North 89°48'02" West a distance of 128.12 feet, to the **POINT OF BEGINNING**.

Together with the underlying fee, if any, in the adjoining Dover Avenue.

This conveyance is made for the purposes of a rail and the Grantors hereby release and relinquish to the California High-Speed Rail Authority and the State any and all abutter's rights, including access rights appurtenant to Owner's remaining property in and to said rail.

The grantors further understand that the present intention of the grantee is to construct and maintain a public rail on the lands hereby conveyed in fee and the grantors, for the grantors and the grantors' successors and assigns, hereby waive any claims for any and all damages to grantors' remaining property contiguous to the property hereby conveyed by reason of the location, construction, landscaping or maintenance of said rail.

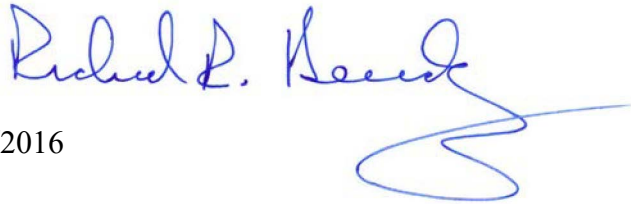
SUBJECT to the rights of the public in and to Dover Avenue, as described in Volume 1 of Right of Way at Page 382.

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.99993817 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors' Act.

Signature:



Date: 11/21/2016



FINAL

EXHIBIT "A"
LEGAL DESCRIPTION

FB-16-0038-2 (Fee)

That portion of Parcel 3 as described in a Grant Deed recorded as Doc Nbr: 1305278, recorded on March 20, 2013, records of Kings County, California; situated in Section 33, Township 17 South, Range 22 East, Mount Diablo Meridian, in said County of Kings, State of California, described as follows:

COMMENCING at the Northwest Corner of said Section 33, marked with a 2-inch brass cap stamped LS 4375;

thence along the North line of said Section 33, South $89^{\circ}48'02''$ East a distance of 481.43 feet, to a point at the beginning of a non-tangent curve, hereinafter referred to as Curve A, concave southwesterly, having a radius of 36,560.00 feet, to which beginning of curve a radial bears North $69^{\circ}43'49''$ East, said point also being the true **POINT OF BEGINNING**;

thence continuing along said North line, South $89^{\circ}48'02''$ East a distance of 850.74 feet, to the East line of said Parcel 3;

thence along said East line, South $00^{\circ}14'39''$ West a distance of 20.00 feet, to the south right-of-way of Dover Avenue, (40.00 Feet wide);

thence continuing along said East line, South $00^{\circ}14'39''$ West a distance of 141.07 feet;

thence South $79^{\circ}00'45''$ West a distance of 91.60 feet, to the beginning of a tangent curve, concave northwesterly, having a radius of 3,515.00 feet;

thence southwesterly and westerly along said curve, through a central angle of $10^{\circ}59'36''$, an arc distance of 674.43 feet, to a point on the southeasterly continuation of said Curve A, to which a radial bears North $70^{\circ}08'26''$ East;

thence northwesterly along said Curve A, through a central angle of $00^{\circ}22'37''$, an arc distance of 240.47 feet, to a point on said south right-of-way of Dover Avenue, to which said point on curve a radial bears North $69^{\circ}45'50''$ East;

thence continuing northwesterly along said Curve "A", through a central angle of $00^{\circ}02'00''$, an arc distance of 21.34 feet, to the **POINT OF BEGINNING**.

Together with the underlying fee, if any, in the adjoining Dover Avenue.

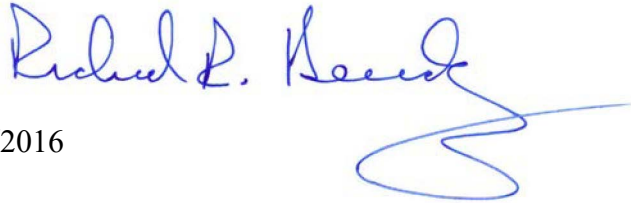
SUBJECT to the rights of the public in and to said Dover Avenue, as described in Volume 1 of Right of Way at Page 382, Official Records of said Kings County.

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.99993817 to obtain ground level distances.

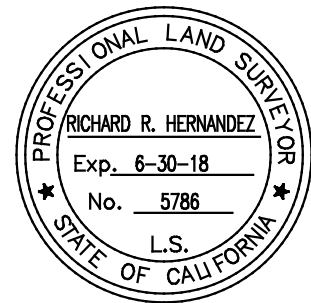
END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors' Act.

Signature:



Date: 11/21/2016



FINAL

EXHIBIT "A"
LEGAL DESCRIPTION

FB-16-0038-3 (Fee)

That portion of Parcel 3 as described in a Grant Deed recorded as Doc Nbr: 1305278, recorded on March 20, 2013, records of Kings County, California; situated in Section 33, Township 17 South, Range 22 East, Mount Diablo Meridian, in said County of Kings, State of California, described as follows:

BEGINNING at the Northwest Corner of said Section 33, marked with a 2-inch cap stamped LS 4375;

thence along the north line of said Section 33, South $89^{\circ}48'02''$ East a distance of 353.31 feet, to the beginning of a non-tangent curve, concave southwesterly, having a radius of 36,440.00 feet, to which beginning of curve a radial bears North $69^{\circ}39'36''$ East;

thence southeasterly along said curve, through a central angle of $00^{\circ}02'01''$, an arc distance of 21.36 feet, to a point on the south right-of-way of Dover Avenue, (40.00 feet wide), to which said point a radial bears North $69^{\circ}41'36''$ East;

thence continuing southeasterly along said curve, through a central angle of $00^{\circ}23'24''$, an arc distance of 247.98 feet, to the beginning of a non-tangent curve, concave northwesterly, having a radius of 3,100.00 feet, to which beginning of curve a radial bears South $00^{\circ}08'18''$ East;

thence northwesterly along said curve, through a central angle of $04^{\circ}15'37''$, an arc distance of 230.50 feet, to the beginning of a non-tangent curve, concave northwesterly, having a radius of 8,362.83 feet, to which the beginning of curve a radial bears South $82^{\circ}19'27''$ East;

thence southwesterly along said curve, through a central angle of $04^{\circ}22'15''$, an arc distance of 637.96 feet, to the beginning of a reverse curve, concave southeasterly, having a radius of 2,500.00 feet, to which beginning of curve a radial bears North $77^{\circ}57'12''$ West;

thence southwesterly along said reverse curve, through a central angle of $10^{\circ}08'03''$, an arc distance of 442.19 feet;

thence North $89^{\circ}38'41''$ West a distance of 19.62 feet;

thence South $00^{\circ}27'58''$ West a distance of 11.22 feet, to the south line of said Parcel 3;

thence along said south line, North $89^{\circ}49'29''$ West a distance of 17.17 feet, to the east right-of-way of 8th Avenue, (40-feet wide);

thence continuing along said south line, North $89^{\circ}48'29''$ West a distance of 20.00 feet, to the west line of said Section 33;

thence along said West line, North 00°10'37" East a distance of 1,323.80 feet, to the **POINT OF BEGINNING**.

Together with the underlying fee, if any, in the adjoining Dover Avenue and 8th Avenue.

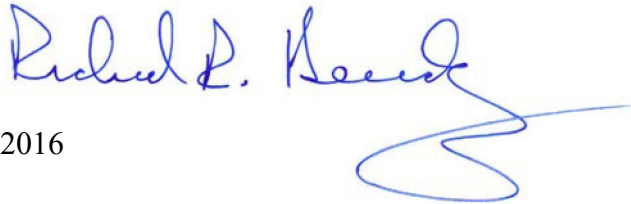
SUBJECT to the rights of the public in and to Dover Avenue, as described in Volume 1 of Right-of-Way at Page 382, and said 8th Avenue, as described in Volume 1 of Right-of-Way at Page 316, Official Records of said County.

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.99993817 to obtain ground level distances.

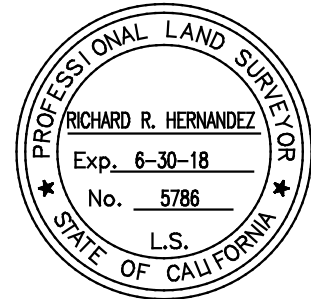
END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors' Act.

Signature:



Date: 11/21/2016



FINAL

EXHIBIT "A"
LEGAL DESCRIPTION

FB-16-0039-1 (Fee)

That portion of real property, situated in the Northeast Quarter of Northwest Quarter of Section 33, Township 17 South, Range 22 East, Mount Diablo Meridian, in the County of Kings, State of California, described as follows:

COMMENCING at the Northwest Corner of said Section 33, marked with a 2-inch brass cap stamped LS 4375;

thence along the North line of said Section 33, South 89°48'02" East a distance of 1,332.17 feet, to the Northwest corner of the Northeast Quarter of the Northwest Quarter of said Section 33, also being the true **POINT OF BEGINNING**;

thence along the West line of said Northeast Quarter of the Northwest Quarter, South 00°14'39" West a distance of 20.00 feet, to the south right-of-way of Dover Avenue (40.00 feet wide);

thence continuing along said West line, South 00°14'39" West a distance of 141.07 feet;

thence North 79°00'45" East a distance of 208.63 feet, to the beginning of a tangent curve, concave southeasterly, having a radius of 2,985.00 feet;

thence northeasterly along said curve, through a central angle of 09°28'03", an arc distance of 493.24 feet;

thence North 00°04'46" East a distance of 32.36 feet;

thence South 89°47'26" East a distance of 189.87 feet;

thence North 00°04'02" East a distance of 12.89 feet, to said south right-of-way of Dover Avenue;

thence continuing along said course, North 00°04'02" East a distance of 20.00 feet, to said north line of Section 33;

thence along said North line, North 89°48'02" West a distance of 883.82 feet, to the **POINT OF BEGINNING**.

Together with the underlying fee, if any, in the adjoining Dover Avenue.

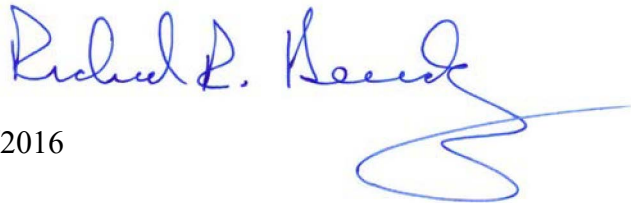
SUBJECT to the rights of the public in and to Dover Avenue, as described in Volume 1 of Right-of-Way at Page 381, Kings County Board of Supervisors records.

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.99993817 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors' Act.

Signature:



Date: 11/21/2016



FINAL

RESOLUTION OF NECESSITY

LEGAL DESCRIPTION

FB-16-0037-1 (FEE)

For rail purposes, that portion of Parcel 2 as shown on a Parcel Map filed in Book 17 of Parcel Maps Page 41, Kings County Records, State of California. Situated in the Northeast Quarter of Section 32, Township 17 South, Range 22 East, Mount Diablo Base and Meridian, in said Kings County, being described as follows:

COMMENCING at the Northeast Corner of said Section 32, as shown on said Parcel Map;

thence along the East line of said Section 32, South $00^{\circ}10'37''$ West a distance of 661.94 feet, to the easterly prolongation of the North line of the said Parcel 2 also being the South line of Parcel 1 of said Parcel Map;

Thence along said easterly prolongation of the North line, North $89^{\circ}50'45''$ West a distance of 20.00 feet, to a point on the East line of said Parcel 2 being the Northeast corner of said Parcel 2. Said point also being the true **POINT OF BEGINNING**;

Thence along said North line, North $89^{\circ}50'45''$ West a distance of 115.55 feet, to the beginning of a non-tangent curve, concave northeasterly, having a radius of 9,000.00 feet, to which beginning of curve a radial bears South $80^{\circ}09'25''$ West;

Thence southeasterly along said curve, through a central angle of $01^{\circ}00'20.86''$, an arc distance of 157.99 feet, to the beginning of a reverse curve, concave southwesterly, having a radius of 3,100.00 feet to which beginning of reverse curve a radial bears North $79^{\circ}09'04''$ East;

Thence southeasterly along said curve through a central angle of $09^{\circ}12'59.68''$, an arc distance of 498.65 feet, to a point North $89^{\circ}38'41''$ West and distant 31.02 feet from said East line of Parcel 2;

Thence South $89^{\circ}38'41''$ East a distance of 31.02 feet, to said East line of Parcel 2;

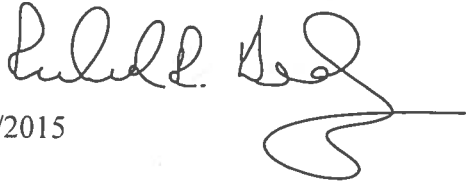
Thence along said East line, North $00^{\circ}10'37''$ East a distance of 650.47 feet, to the **POINT OF BEGINNING**.

Bearings and distances in the above descriptions are based on the California Coordinate System of 1983, Zone 4, as shown on un-recorded Record of Survey. Distances are U.S. Survey Feet. Divide grid distances shown herein above by 0.99993817 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors Act.

Signature:



Date: 9/02/2015

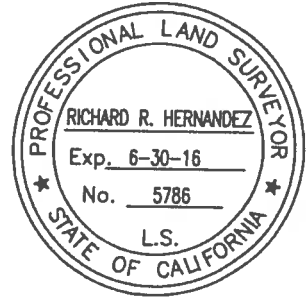


EXHIBIT A2

Crossing Legal Descriptions

Grangeville Boulevard Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

EXHIBIT "A"
LEGAL DESCRIPTION

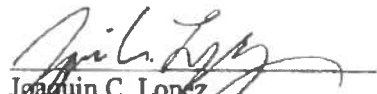
PARCEL FB-16-0364-2 (FEE)

For rail purposes, that portion of land situated in the County of Kings, State of California, being a portion of that certain parcel of land described in the Grant Deed recorded June 13, 1994 as Document No. 94-12100, Official Records of said County, described as follows:

COMMENCING at the southwesterly corner of Parcel 4 as shown on that certain "PARCEL MAP", filed in Book 19 of Parcel Maps, at Page 69, Records of said County, said corner being on the easterly line of 7-1/2 Avenue (20 feet in half width) as shown on said map; thence North 89°43'43" East 143.87 feet along the southerly line of said Parcel 4 to the **POINT OF BEGINNING**; thence North 89°43'43" East 15.00 feet along last said line; thence South 00°17'55" West 896.27 feet; thence South 44°42'05" East 62.93 feet; thence South 00°17'55" West 371.94 feet; thence North 89°42'05" West 15.00 feet; thence North 00°17'55" East 356.94 feet; thence North 89°42'05" West 44.50 feet; thence North 00°17'55" East 955.61 feet to said southerly line of said Parcel 4 and the **POINT OF BEGINNING**.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 58, pages 71 to 72, Epoch 2007.00. Multiply distances shown above by 1.000055003 to obtain ground level distances.

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joaquin C. Lopez
Professional Land Surveyor
California No. 9070



6/25/15
Date

EXHIBIT "A"
LEGAL DESCRIPTION

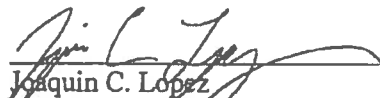
PARCEL FB-16-0364-3 (FEE)

For rail purposes, that portion of land situated in the County of Kings, State of California, being a portion of that certain parcel of land described in the Grant Deed recorded June 13, 1994 as Document No. 94-12100, Official Records of said County, described as follows:

COMMENCING at the southwesterly corner of Parcel 4 as shown on that certain "PARCEL MAP", filed in Book 19 of Parcel Maps, at Page 69, Records of said County, said corner being on the easterly line of 7-1/2 Avenue (20 feet in half width) as shown on said map; thence North 89°43'43" East 78.87 feet along the southerly line of said Parcel 4 to the **POINT OF BEGINNING**; thence North 89°43'43" East 15.00 feet along last said line; thence South 00°17'55" West 955.12 feet; thence North 89°42'05" West 20.50 feet; thence South 00°17'55" West 452.75 feet to the northerly line of Grangeville Boulevard (30 feet in half width) thence North 89°39'37" East 130.01 feet along last said line; thence South 00°17' 55" West 20.00 feet to the centerline of said Grangeville Boulevard; thence South 89°39'37" West 145.01 feet along last said line; thence North 00°17'55" East 487.92 feet; thence North 25°02'07" East 48.99 feet; thence North 00°17'55" East 895.47 feet to said southerly line of said Parcel 4 and the **POINT OF BEGINNING**.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 58, pages 71 to 72, Epoch 2007.00. Multiply distances shown above by 1.000055003 to obtain ground level distances.

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joaquin C. Lopez
Professional Land Surveyor
California No. 9070



6/25/15
Date

EXHIBIT "A"
LEGAL DESCRIPTION


PARCEL FB-16-0144-1 (FEE)

For rail purposes, that portion of land situated in the County of Kings, State of California, being a portion of that certain parcel of land designated as Parcel 1 described in the Grant Deed recorded January 20, 2006 as Document No. 2006-02166, Official Records of said County, described as follows:

COMMENCING at the North 1/4 corner of Section 28, Township 18 South, Range 22 East, Mount Diablo Base, according to the official plat filed in the District Land Office; thence North 89°39'37" East 262.93 feet along the North line of said Section 28; thence South 00°17'55" West 30.00 feet to the **POINT OF BEGINNING**; thence South 00°17'55" West 1,293.30 feet to the southerly line of said Parcel 1; thence South 89°40'26" West 166.61 feet along last said line; thence North 00°17'55" East 462.76 feet; thence North 89°42'05" West 97.91 feet to the North-South centerline of said Section 28; thence North 00°24'16" East 158.00 feet along last said line; thence South 89°42'05" East 27.12 feet; thence North 45°17'55" East 28.28 feet; thence North 00°17'55" East 651.93 feet to a line parallel with and 30.00 feet southerly of said North line of Section 28; thence North 89°39'37" East 217.11 feet along said Parallel line the **POINT OF BEGINNING**.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 58, pages 71 to 72, Epoch 2007.00. Multiply distances shown above by 1.000055003 to obtain ground level distances.

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.

Signature  9/30/14
Dan S. Scott III, PLS 7840 Date



NOTE: RRL-impacted parcels colored with the below color(s) are currently under review by Design & Construction


RRL PARCEL COLOR TABLE			
COLOR	CP	RRL NO.	SENT TO D&C
	2-3	RRL-00073	07-25-2019

EXHIBIT A3

Crossing Legal Descriptions

Hanford-Armona Road

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

LEGAL DESCRIPTION

FB-16-0170-1 (Fee)

For rail purposes, that portion of real property situated in the County of Kings, State of California, being the West Half of the Northeast Quarter of Section 4, Township 19 South, Range 22 East, Mount Diablo Meridian, as described in a Grant Deed recorded as Doc. 0723295, recorded on September 7, 2007, Official Records of said County, described as follows:

COMMENCING at the North Quarter Corner of said Section also being the Northwest corner of the Northeast Quarter of Section 4;

thence along the North line of said Northeast Quarter of Section 4, South $89^{\circ}47'46''$ East a distance of 100.89 feet, to the true POINT OF BEGINNING;

thence continuing along said North line, South $89^{\circ}47'46''$ East a distance of 120.00 feet;

thence along a line hereinafter called Line "A", South $00^{\circ}17'55''$ West a distance of 1,727.45 feet, to a line perpendicular to said Line "A";

thence along said perpendicular line, South $89^{\circ}42'05''$ East a distance of 74.61 feet, to a line parallel with and easterly of said Line "A";

thence along said parallel line, South $00^{\circ}17'55''$ West a distance of 122.00 feet, to a line perpendicular to said line "A";

thence along said perpendicular line, South $89^{\circ}42'05''$ East a distance of 8.41 feet, to a line parallel with and easterly of said Line "A";

thence along said parallel line, South $00^{\circ}17'55''$ West a distance of 63.00 feet, to a line perpendicular to said Line "A";

thence along said perpendicular line, North $89^{\circ}42'05''$ West a distance of 15.03 feet, to the beginning of a tangent curve, concave southeasterly, having a radius of 18.00 feet;

thence westerly, southwesterly and southerly along said curve, through a central angle of $90^{\circ}00'00''$, an arc distance of 28.27 feet;

thence North $89^{\circ}42'05''$ West a distance of 50.00 feet, to the southerly continuation of said Line "A";

thence along said continuation of Line "A", South $00^{\circ}17'55''$ West a distance of 902.44 feet, to the South line of said Northeast Quarter;

thence along said South line, North $89^{\circ}46'33''$ West a distance of 120.00 feet, to a line parallel with and 120.00 feet west of said line "A";

thence along said parallel line, North $00^{\circ}17'55''$ East a distance of 3,832.84 feet, to the true POINT OF BEGINNING.

Together with the underlying fee, if any, in the adjoining Hanford Arizona Road
Lands abutting said rail shall have no right or easement of access thereto.

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Book 24 of Licensed Surveys at Pages 8, inclusive, County Records. Divide grid distances herein above by 0.99995595 to obtain ground level distances.

END OF DESCRIPTION

LEGAL DESCRIPTION

FB-16-0170-2 (Fee)

For rail purposes, that portion of real property situated in the County of Kings, State of California, being the West Half of the Northeast Quarter of Section 4, Township 19 South, Range 22 East, Mount Diablo Meridian, as described in a Grant Deed recorded as Doc. 0723295, recorded on September 7, 2007, Official Records of said County, described as follows:

BEGINNING at the North Quarter Corner of said Section also being the Northwest corner of the Northeast Quarter of Section 4;

thence along the West line of said Northeast Quarter, South $00^{\circ}13'51''$ West a distance of 225.42 feet;

thence South $89^{\circ}42'05''$ East a distance of 100.62 feet;

thence North $00^{\circ}17'55''$ East a distance of 225.59 feet, to the North line of said Northeast Quarter;

thence along said North line, North $89^{\circ}47'46''$ West a distance of 100.89 feet, to the **POINT OF BEGINNING**.

Together with the underlying fee, if any, in the adjoining Hanford Arroyo Road.

Lands abutting said rail shall have no right or easement of access thereto.

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Book 24 of Licensed Surveys at Pages 8, inclusive, County Records. Divide grid distances herein above by 0.99995593 to obtain ground level distances.

END OF DESCRIPTION

LEGAL DESCRIPTION

FB-16-0170-3 (Fee)

For rail purposes, that portion of real property situated in the County of Kings, State of California, being the West Half of the Northeast Quarter of Section 4, Township 19 South, Range 22 East, Mount Diablo Meridian, as described in a Grant Deed recorded as Doc. 0723295, recorded on September 7, 2007, Official Records of said County, described as follows, described as follows:

COMMENCING at the North Quarter Corner of said Section also being the Northwest corner of the Northeast Quarter of Section 4;

thence along the North line of said Northeast Quarter, South $89^{\circ}47'46''$ East a distance of 220.89 feet, to the true POINT OF BEGINNING.

thence continuing along said North line, South $89^{\circ}47'46''$ East a distance of 893.65 feet, to the West line of that real property described in a Grant Deed recorded as Doc. 0519682, on June 20, 2005, Official Records of said County;

thence along said West line, South $00^{\circ}15'08''$ West a distance of 146.42 feet, to the beginning of a non-tangent curve, concave northwesterly, having a radius of 4,400.00 feet, to which beginning of curve a radial bears South $11^{\circ}40'34''$ East;

thence southwesterly along said curve, through a central angle of $08^{\circ}24'08''$, an arc distance of 645.25 feet;

thence South $86^{\circ}43'34''$ West a distance of 88.51 feet;

thence North $89^{\circ}42'05''$ West a distance of 166.67 feet;

thence North $00^{\circ}17'55''$ East a distance of 237.66 feet, to the POINT OF BEGINNING.

Together with the underlying fee, if any, in the adjoining Hanford Armona Road.

Lands abutting said rail shall have no right or easement of access thereto.

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Book 24 of Licensed Surveys at Pages 8, inclusive, County Records. Divide grid distances herein above by 0.99995595 to obtain ground level distances.

END OF DESCRIPTION

RESOLUTION OF NECESSITY
LEGAL DESCRIPTION

PARCEL FB-16-0159-1 (FEE)

For rail purposes to construct and maintain a public road, that portion of land situated in the County of Kings, State of California, being a portion of Parcel 2 of Map filed in Book 17 or Parcel Maps, Page 60, Official records of said County, and described in Document No. 1020065, recorded November 12, 2010, Official Records of said County, portion described as follows:

BEGINNING at the Northeast corner of said Parcel 2, being the intersection of the South line of Hanford-Armona Road (variable width) with the East line of the Northwest Quarter of Section 4;

thence along the East line of said Parcel 2 and the East line of said Northwest Quarter of Section 4, South 00°13'51" West 192.43 feet;

thence North 89°42'05" West 59.98 feet to the East line of Parcel 3 of Map filed in Book 18 of Parcel Maps, Page 79, Official Records of said County;

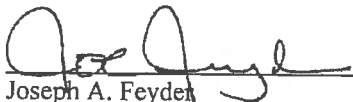
thence along said East line of Parcel 3, North 00°13'50" East 192.32 feet to the Northeast corner thereof, being a point on the said South line of Hanford-Armona Road;

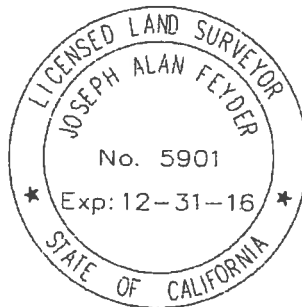
thence along the North line of said Parcel 2 and the South line of Hanford-Armona Road, South 89°48'06" East 59.98 feet to the Northeast corner of said Parcel 2 and the **POINT OF BEGINNING**.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



04-20-2015

Date

RESOLUTION OF NECESSITY

LEGAL DESCRIPTION

FB-16-0160-1 (Fee)

For rail purposes, that portion of Parcel 1 as shown on Map recorded in Book 18 of Parcel Maps, Page 79, Official Records of Kings County, situated in Section 4, Township 19 South, Range 22 East, in said County of Kings, State of California, described as follows:

COMMENCING at the North Quarter Corner of said Section 4, marked with a 1 ½" disk stamped "KINGS COUNTY SURVEYOR";

thence South 00°13'50" West, a distance of 33.00 feet along the East line of the Northwest Quarter of said Section to a line parallel with and 33.00 feet South of the North line of said Section, said line also being the south right of way of Hanford-Armona Road;

thence along said south right of way line, North 89°48'06" West, a distance of 618.21 feet to the northeast corner of said Parcel 1, also the being the true **POINT OF BEGINNING**;

thence continuing along said South right of way, North 89°48'06" West, a distance of 189.27 feet to the northwest corner of said Parcel 1;

thence along the west line of said Parcel 1, South 00°17'45" West, s distance of 107.27 feet;

thence South 79°39'18" East, s distance of 140.71 feet to the beginning of a tangent curve, concave northerly, having a radius of 4,150.00 feet;

thence along said curve through a central angle of 00°43'26" an arc distance of 52.42 feet to the east line of said Parcel;

thence along east line North 00°05'38" West, a distance of 140.94 feet to the **POINT OF BEGINNING**;

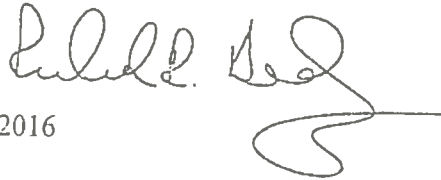
Together with the underlying fee, if any, in the adjoining Hanford-Armona Road

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.99995595 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors' Act.

Signature:



Date: 4/21/2016



RESOLUTION OF NECESSITY

LEGAL DESCRIPTION

FB-16-0161-1 (Fee)

For rail purposes, that portion of Parcel 2 as shown on Map recorded in Book 18 of Parcel Maps, Page 79, Official Records of Kings County, situated in Section 4, Township 19 South, Range 22 East, in said County of Kings, State of California, described as follows:

COMMENCING at the North Quarter Corner of said Section 4, marked with a 1 ½" disk stamped "KINGS COUNTY SURVEYOR";

thence South 00°13'50" West, a distance of 33.00 feet along the East line of the Northwest Quarter of said Section to a line parallel with and 33.00 feet South of the North line of said Section, said line also being the south right of way of Hanford-Armona Road;

thence along said south right of way line, North 89°48'06" West, a distance of 220.90 feet to the northeast corner of said Parcel 2, also the being the true **POINT OF BEGINNING**;

thence continuing along said South right of way, North 89°48'06" West, a distance of 397.30 feet to the northwest corner of said Parcel 2;

thence along the west line of said Parcel, South 00°05'38" East, a distance of 140.94 feet to the beginning of a non-tangent curve concave to the north having a radius of 4,150.00 feet, to which a radial bears South 09°37'17" West;

thence along said curve through a central angle of 03°31'55", an arc distance of 255.83 feet;

thence South 86°24'17" East, a distance of 143.23 feet to the east line of said Parcel;

thence along last said east line, North 00°13'50" East, a distance of 183.50 feet to the **POINT OF BEGINNING**.

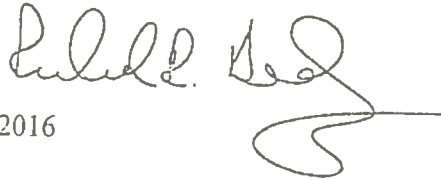
Together with the underlying fee, if any, in the adjoining Hanford-Armona Road.

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.99995595 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors' Act.

Signature:



Date: 4/21/2016



RESOLUTION OF NECESSITY

LEGAL DESCRIPTION

FB-16-0162-1 (Fee)

For rail purposes, that portion of Parcel 3 as shown on Map recorded in Book 18 of Parcel Maps, Page 79, Official Records of Kings County, situated in Section 4, Township 19 South, Range 22 East, in said County of Kings, State of California, described as follows:

COMMENCING at the North Quarter Corner of said Section 4, marked with a 1 ½" disk stamped "KINGS COUNTY SURVEYOR";

thence South 00°13'50" West, a distance of 33.00 feet along the East line of the Northwest Quarter of said Section to a line parallel with and 33.00 feet South of the North line of said Section, said line also being the south right of way of Hanford-Armona Road;

thence along said south right of way North 89°48'06" West, a distance of 59.98 feet to the northeast corner of said Parcel, also the being the true **POINT OF BEGINNING**;

thence continuing along said South right of way, North 89°48'06" West, a distance of 160.92 feet to the northwest corner of said Parcel 3;

thence along the west line of said Parcel South 00°13'50" West, a distance of 183.50 feet;

thence South 86°24'17" East, a distance of 148.42 feet;

thence South 89°42'05" East, a distance of 12.76 feet to the east line of said Parcel;

thence North 00°13'50" East, a distance of 192.32 feet to the **POINT OF BEGINNING**.

Together with the underlying fee, if any, in the adjoining Hanford-Armona Rd

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.99995595 to obtain ground level distances.

END OF DESCRIPTION

RESOLUTION OF NECESSITY

LEGAL DESCRIPTION

FB-16-0162-1 (Fee)

For rail purposes, that portion of Parcel 3 as shown on Map recorded in Book 18 of Parcel Maps, Page 79, Official Records of Kings County, situated in Section 4, Township 19 South, Range 22 East, in said County of Kings, State of California, described as follows:

COMMENCING at the North Quarter Corner of said Section 4, marked with a 1 ½" disk stamped "KINGS COUNTY SURVEYOR";

thence South 00°13'50" West, a distance of 33.00 feet along the East line of the Northwest Quarter of said Section to a line parallel with and 33.00 feet South of the North line of said Section, said line also being the south right of way of Hanford-Armona Road;

thence along said south right of way North 89°48'06" West, a distance of 59.98 feet to the northeast corner of said Parcel, also the being the true **POINT OF BEGINNING**;

thence continuing along said South right of way, North 89°48'06" West, a distance of 160.92 feet to the northwest corner of said Parcel 3;

thence along the west line of said Parcel South 00°13'50" West, a distance of 183.50 feet;

thence South 86°24'17" East, a distance of 148.42 feet;

thence South 89°42'05" East, a distance of 12.76 feet to the east line of said Parcel;

thence North 00°13'50" East, a distance of 192.32 feet to the **POINT OF BEGINNING**.

Together with the underlying fee, if any, in the adjoining Hanford-Armona Rd

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.99995595 to obtain ground level distances.

END OF DESCRIPTION

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0164-1 (FEE).

For road purposes, that portion of land situated in the County of Kings, State of California, being the Remainder Parcel of the map filed in Book 19 of Parcel Maps, Page 8, Official Records of said County, described in Document No. 0820645, recorded November 03, 2008, Official Records of said County, portion described as follows:

BEGINNING at the northeast corner said Remainder Parcel, being a point on the south line of Hanford-Armona Road (variable width);

thence along the east line of said Remainder Parcel, South 00°17'45" West, 107.24 feet;

thence leaving said east line, North 79°39'18" West 195.70 feet to the west line of said Remainder Parcel;

thence along said West line, North 00°17'45" East, 72.76 feet to the northwest corner thereof, being on said south line of Hanford-Armona Road;


thence along the north line of said Remainder Parcel, South 89°48'06" East, 192.70 feet to the northeast corner thereof and the **POINT OF BEGINNING**.

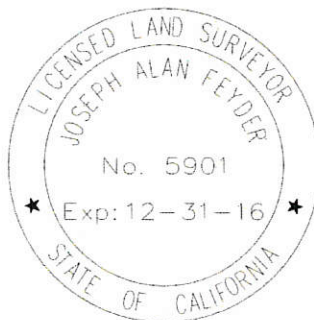
The above described area containing 17342.60 square feet or 0.398 acres.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



12-22-2014
Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0164-2 (FEE)

For road purposes, that portion of land situated in the County of Kings, State of California, being the Remainder Parcel of the map filed in Book 19 of Parcel Maps, Page 8, Official Records of said County, described in Document No. 0820645, recorded November 03, 2008, Official Records of said County, portion described as follows:

BEGINNING at the Southeast corner of said Remainder Parcel;

thence along the south line of said Remainder Parcel, North 89°48'06" West, 192.70 feet to the southwest corner thereof;

thence along the west line of said Remainder Parcel, North 00°17'45" East, 40.00 feet;

thence South 89°48'06" East 192.70 feet to the east line of said Remainder Parcel;

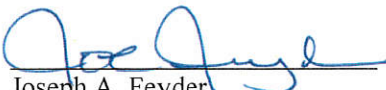
thence along said east line, South 00°17'45" West, 40.00 feet to the southeast corner of said Remainder Parcel and the **POINT OF BEGINNING**.

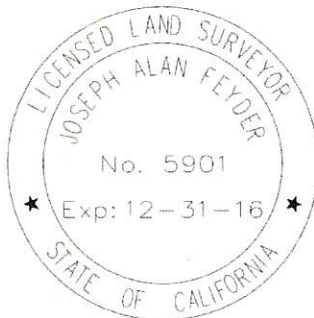
The above described area containing 7708.01 square feet or 0.177 acres.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



12-22-2014

Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0156-1 (FEE)

For road purposes, that portion of land situated in the County of Kings, State of California, being a portion of Parcel 1 of Map filed in Book 16 of Parcel Maps, Page 52, Official Records of said County, and described in Document No. 0718816, recorded July 19, 2007, Official Records of said County, portion described as follows:

BEGINNING at the Northeast corner of said Parcel 1, being a point of the south line of Hanford-Armona Road (66 feet wide);

thence along the east line of said Parcel 1, South 00°17'45" West 194.36 feet;

thence leaving said line, North 13°47'52" West 168.92 feet;

thence North 82°50'10" West 251.13 feet to the North line of said Parcel 1 and said south line of Hanford-Armona Road;


thence along said north line of Parcel 1, South 89°48'06" East 290.47 feet to the Northeast corner thereof and the **POINT OF BEGINNING**.

The above described area containing 8420.53 square feet or 0.193 acres.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act. .


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



12-22-2014

Date

LEGAL DESCRIPTION

EXHIBIT "A"

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE UNINCORPORATED AREA, COUNTY OF KINGS, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

PARCEL 1:

208.71 FEET NORTH AND SOUTH, BY 208.71 FEET EAST AND WEST, IN THE NORTHEAST CORNER OF THE WEST HALF OF FRACTIONAL NORTHEAST QUARTER IN SECTION 4, TOWNSHIP 19 SOUTH, RANGE 22 EAST, MOUNT DIABLO BASE AND MERIDIAN, IN THE COUNTY OF KINGS, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT THEREOF.

APN: 016-130-034-000

PARCEL 2:

THE SOUTH 98.29 FEET OF THE NORTH 307.00 FEET OF THE EAST 208.71 FEET OF THE WEST HALF OF THE NORTHEAST QUARTER OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 22 EAST, MOUNT DIABLO BASE AND MERIDIAN.

APN: 016-130-054-000 (FB-16-0168)

EXHIBIT "A"
LEGAL DESCRIPTION

FB-16-0165-2 (Fee)

That portion of that real property as described in a Grant Deed recorded in Volume 857 of Official Records, Pages 1 and 2, recorded on July 14, 1964, Records of Kings County, State of California, situated in the West-half of the Southeast-quarter of Section 33, Township 18 South, Range 22 East, Mount Diablo Meridian, in the unincorporated area of said County, described as follows:

COMMENCING at the South-quarter corner of said Section 33, marked with a ¾ inch iron pipe, with a plastic plug stamped "Kings County Surveyor", as shown on Corner Record No. 2394 filed in said County;

thence along the South line of said Southeast-quarter of Section 33, South 89°47'46" East a distance of 220.89 feet, to the true **POINT OF BEGINNING**;

thence North 00°17'55" East a distance of 33.00 feet, to the north right-of-way of Hanford-Armona Road, (66-feet wide), Declared as Road No. XXXIV on May 10, 1872, filed in Board of Supervisor's Road Register Volume 1 at Page 1;

thence continuing along said course, North 00°17'55" East a distance of 194.56 feet;

thence South 89°42'05" East a distance of 144.75 feet, to the beginning of a non-tangent curve, concave southwesterly, having a radius of 4,900.00 feet, to which beginning of curve a radial bears North 02°37'29" East;

thence southeasterly along said curve, through a central angle of 08°22'42", an arc distance of 716.52 feet, to the beginning of a reverse curve, concave northwesterly, having a radius of 60.00 feet, to which beginning of reverse curve a radial bears South 11°00'11" West;

thence Southeasterly and Northeasterly along said reverse curve, through a central angle of 69°49'22", an arc distance of 73.12 feet, to the beginning of a reverse curve, concave southeasterly, having a radius of 170.00 feet, to which beginning of reverse curve a radial bears North 58°49'11" West;

thence northeasterly along said reverse curve, through a central angle of 59°11'50", an arc distance of 175.64 feet;

thence South 89°37'21" East a distance of 17.92 feet, to a line parallel with and 20-feet from the East line of said West-half of the Southeast-quarter;

thence along said parallel line, South 00°22'39" West a distance of 40.00 feet;

thence North 89°37'21" West a distance of 17.92 feet, to the beginning of a tangent curve, concave southeasterly, having a radius of 130.00 feet;

thence southwesterly along said curve, through a central angle of 32°42'44", an arc distance of 74.22 feet, to the beginning of a compound curve, concave northeasterly, having a radius of 45.00 feet, to which beginning of compound curve a radial bears North 32°20'05" West;

thence southwesterly and southeasterly along said compound curve, through a central angle of $134^{\circ}50'11''$, an arc distance of 105.90 feet, to the beginning of a reverse curve, concave southwesterly, having a radius of 4,900.00 feet, to which beginning of reverse curve a radial bears North $12^{\circ}49'44''$ East;

thence southeasterly along said reverse curve, through a central angle of $00^{\circ}52'56''$, an arc distance of 75.46 feet, to said parallel line;

thence along said parallel line, South $00^{\circ}22'39''$ West a distance of 14.14 feet;

thence South $80^{\circ}51'07''$ East a distance of 20.24 feet, to the East line of said West-half;

thence along said East line, South $00^{\circ}22'39''$ West a distance of 45.88 feet, to said north right-of-way;

thence continuing along said East line, South $00^{\circ}22'39''$ West a distance of 33.00 feet, to said South line;

thence along said South line, North $89^{\circ}47'46''$ West a distance of 1,102.35 feet, to the **POINT OF BEGINNING**.

The above described parcel contains 210,720 square feet, more or less.

Together with the underlying fee, if any, in the adjoining Hanford-Armona Road, (33-foot half-width).

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.999955952 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors' Act.

Signature:

Richard R. Hernandez

Date: 10/11/2018



EXHIBIT "A"
LEGAL DESCRIPTION

FB-16-0166-1 (Fee)

That portion of real property as described in a Grant Deed recorded in Book 1020 of Official Records, at Page 997, Records of Kings County, being the East-half of the Southwest-quarter of Section 33, Township 18 South, Range 22 East, Mount Diablo Meridian, County of Kings, State of California, described as follows:

BEGINNING at the south-quarter corner of said Section 33, marked with a ¾" iron pipe with plug;

thence along the south line of said Section 33, North 89°48'06" West a distance of 1,322.48 feet, to the southwest corner of said East-half of the Southwest-quarter of Section 33;

thence along the west line of said East-half, North 00°23'56" East a distance of 33.00 feet, to the north right-of-way of Hanford-Armona Road, (33-foot half-width);

thence continuing along the west line of said East-half, North 00°23'56" East a distance of 17.46 feet;

thence North 69°38'36" East a distance of 8.19 feet;

thence North 85°09'48" East a distance of 139.32 feet, to the beginning of a non-tangent curve, concave northwesterly, having a radius of 2,500.00 feet, to which beginning of curve a radial bears South 05°57'14" East;

thence northeasterly along said curve, through a central angle of 05°53'35", an arc distance of 257.13 feet;

thence North 78°09'11" East a distance of 41.31 feet, to the beginning of a tangent curve, concave southeasterly, having a radius of 5,200.00 feet;

thence northeasterly along said curve, through a central angle of 09°40'14", an arc distance of 877.67 feet;

thence South 89°42'05" East a distance of 12.75 feet, to the east line of said East-half of the Southwest-quarter;

thence along said east line, South 00°23'43" West a distance of 191.82 feet, to said north right-of-way;

thence continuing along said east line, South 00°23'43" West a distance of 33.00 feet, to the **POINT OF BEGINNING**.

The above described parcel contains 195,647 square feet, more or less.

Together with the underlying fee, if any, in the adjoining Hanford-Ramona Road, (33-foot half-width).

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.999955952 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors' Act.

Signature:

Richard R. Hernandez

Date: 3/29/2019



EXHIBIT "A"
LEGAL DESCRIPTION

FB-16-0166-2 (Easement)

An easement for ditch purposes and incidents thereto in and across that portion of real property as described in a Grant Deed recorded in Book 1020 of Official Records, at Page 997, Records of Kings County, situated in the East-half of the Southwest-quarter of Section 33, Township 18 south, Range 22 East, Mount Diablo Meridian, County of Kings, State of California, described as follows:

COMMENCING at the south-quarter corner of said Section 33, marked with a ¾" iron pipe with plug;

thence along the east line of said East-half of the Southwest-quarter of Section 33, North 00°23'43" East a distance of 275.29 feet, to a point being the beginning of a non-tangent curve, concave southwesterly, having a radius of 180.00 feet, to which beginning of curve a radial bears North 71°22'35" East, said point being the true **POINT OF BEGINNING**;

thence northeasterly along said curve, through a central angle of 04°38'06", an arc distance of 14.56 feet;

thence North 23°15'31" West a distance of 107.78 feet, to the beginning of a tangent curve, concave northeasterly, having a radius of 145.00 feet;

thence northwesterly and northerly along said curve, through a central angle of 23°15'31", an arc distance of 58.86 feet;

thence North 00°00'00" East a distance of 15.69 feet;

thence perpendicular to last said course, North 90°00'00" East a distance of 60.83 feet, to said east line;

thence along said east line, South 00°23'43" West a distance of 185.58 feet, to the **POINT OF BEGINNING**.

The above described parcel contains 6,898 square feet, more or less.

Excepting therefrom all oil, oil rights, minerals, mineral rights, natural gas, natural gas rights, and other hydrocarbons by whatsoever name known that may be within or under the parcel of land hereinabove described, together with the perpetual right of drilling, mining, exploring and operating therefor and removing the same from said land or any other land, including the right to whipstock or directionally drill and mine from lands other than those hereinabove described, oil or gas wells, tunnels and shafts into, through or across the subsurface of the land hereinabove described, and to bottom such whipstock or directionally drilled wells, tunnels and shafts under and beneath or beyond the exterior limits thereof, and to redrill, retunnel, equip, maintain, repair, deepen and operate any such wells or mines, without, however, the right to drill, mine, explore and operate through the surface or the upper 100-feet of the subsurface of the land hereinabove described or otherwise in such manner as to endanger the safety of any rail that may be constructed on said lands.

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.999955952 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors' Act.

Signature:

Richard R. Hernandez

Date: 9/28/2018

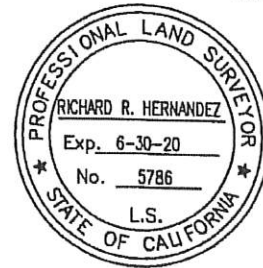


EXHIBIT "A"
LEGAL DESCRIPTION

FB-16-0166-3 (Temporary Construction Easement)

A temporary easement for construction purposes and incidents thereto in and across that portion of real property described in a Grant Deed recorded in Book 1020 of Official Records, at Page 997, Records of Kings County, situated in the East-half of the Southwest-quarter of Section 33, Township 18 South, Range 22 East, Mount Diablo Meridian, County of Kings, State of California, described as follows:

COMMENCING at the south-quarter corner of said Section 33, marked with a ¾" iron pipe with plug;

thence along the east line of said East-half of the Southwest-quarter of Section 33, North 00°23'43" East a distance of 460.87 feet, to the true **POINT OF BEGINNING**;

thence South 90°00'00" West a distance of 60.83 feet;

thence along a line perpendicular to last said course, North 00°00'00" East a distance of 50.00 feet;

thence along a line perpendicular to last said course, North 90°00'00" East a distance of 61.17 feet, to said east line;

thence along said east line, South 00°23'43" West a distance of 50.00 feet, to the **POINT OF BEGINNING**.

The above described parcel contains 3,050 square feet, more or less.

This temporary construction easement will commence on the date that the High-Speed Rail Authority obtains legal possession and will terminate on the last day of the sixtieth (60) month thereafter, unless sooner terminated by the Authority.

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.999955952 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors' Act.

Signature:

Richard R. Hernandez

Date: 9/28/2018



FINAL

EXHIBIT "A"
LEGAL DESCRIPTION

FB-16-0166-4 (Temporary Construction Easement)

A temporary easement for construction purposes and incidents thereto in and across that portion of real property described in a Grant Deed recorded in Book 1020 of Official Records, at Page 997, Records of Kings County, situated in the East-half of the Southwest-quarter of Section 33, Township 18 South, Range 22 East, Mount Diablo Meridian, County of Kings, State of California, described as follows:

COMMENCING at the south-quarter corner of said Section 33, marked with a ¾" iron pipe with plug;

thence along the south line of said Section 33, North 89°48'06" West a distance of 1,322.48 feet, to the southwest corner of said East-half of the Southwest-quarter of Section 33;

thence along the west line of said East-half of the Southwest-quarter of Section 33, North 00°23'56" East a distance of 50.46 feet;

thence North 69°38'36" East a distance of 0.96 feet, to a point at the beginning of a non-tangent curve, concave northwesterly, having a radius of 48.78 feet, to which beginning of curve a radial bears South 62°36'05" East, said point being the true **POINT OF BEGINNING**;

thence northeasterly along said curve, through a central angle of 25°29'09", an arc distance of 21.70 feet;

thence North 01°54'46" East a distance of 12.53 feet;

thence along a line perpendicular to last said course, South 88°05'14" East a distance of 39.97 feet;

thence along a line perpendicular to last said course, South 01°54'46" West a distance of 7.81 feet, to the beginning of a tangent curve, concave northeasterly, having a radius of 50.00 feet;

thence southwesterly along said curve, through a central angle of 21°11'17", an arc distance of 18.49 feet;

thence South 85°09'48" West a distance of 41.70 feet;

thence South 69°38'36" West a distance of 7.23 feet, to the **POINT OF BEGINNING**.

The above described parcel contains 1,194 square feet, more or less.

This temporary construction easement will commence on the date that the High-Speed Rail Authority obtains legal possession and will terminate on the last day of the sixtieth (60) month thereafter, unless sooner terminated by the Authority.

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.999955952 to obtain ground level distances.

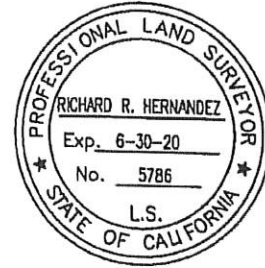
END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors' Act.

Signature:

Richard R. Hernandez

Date: 9/28/2018



FINAL

EXHIBIT "A"
LEGAL DESCRIPTION

FB-16-0483-2 (Fee)

That portion of the land described in Book 857 of Official Records, at Page 2, recorded July 14, 1964, Official Records of Kings County, State of California, situated in the West Half of the Southeast Quarter of Section 33, Township 18 South, Range 22 East, Mount Diablo Meridian, in said Kings County, described as follows:

COMMENCING at the South Quarter Corner of said Section 33, marked with a ¾" iron pipe with plug;

thence along said South line, South 89°47'46" East, a distance of 1,323.24 feet, to the East line of the West Half of said Southeast Quarter;

thence along said East line, North 00°22'39" East, a distance of 78.88 feet, to the **POINT OF BEGINNING**;

thence continuing along said East line, North 00°22'39" East, a distance of 243.12 feet;

thence North 89°47'46" West, a distance of 95.00 feet;

thence South 00°22'39" West, a distance of 76.22 feet, to the beginning of a non-tangent curve, concave southeasterly, having a radius of 170.00 feet, to which beginning of curve a radial bears North 19°14'31" West;

thence northeasterly along said curve, through a central angle of 19°37'10", an arc distance of 58.21 feet;

thence South 89°37'21" East, a distance of 17.92 feet;

thence South 00°22'39" West, a distance of 173.40 feet;

thence South 80°51'07" East, a distance of 20.24 feet, to the **POINT OF BEGINNING**.

The above described parcel contains 10,002 square feet, more or less.

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.999945000 to obtain ground level distances.

END OF DESCRIPTION

FB-16-0483

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors' Act.

Signature:

Richard R. Hernandez

Date: 1/10/2018



FINAL

EXHIBIT A4

Crossing Legal Descriptions

Houston Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0174-1 (FEE)

For road purposes, that portion of land situated in the County of Kings, State of California, being a portion of Parcel 1 of the map filed in Book 3 of Parcel Maps, Page 89 of said County, as described in Document No. 9913663, recorded June 28, 1999, Official Records of said County, portion described as follows:

BEGINNING at the northwest corner of said Parcel 1, being a point on the south line of Houston Avenue (80 feet wide);

Thence along the north line of said Parcel 1, South $89^{\circ}42'10''$ East 20.70 feet to the northwest corner of Parcel 3 of said Parcel Map;

thence along the exterior of said Parcel 3, the following 3 courses:

1. South $01^{\circ}02'10''$ East 79.99 feet;
2. South $89^{\circ}42'10''$ East 114.99 feet
3. North $01^{\circ}02'10''$ West 79.99 feet to the northeast corner of said Parcel 3;

thence along the north line of said Parcel 1, South $89^{\circ}42'10''$ East 244.26 feet to the northeast corner of said Parcel 1;

thence along the east line of said Parcel 1, South $00^{\circ}17'50''$ West 87.10 feet;

thence leaving said east line, South $80^{\circ}55'54''$ West 286.09 feet to the beginning of a tangent curve;

thence in a westerly direction along said tangent curve to the right with a radius of 4000.00 feet, through a central angle of $01^{\circ}24'55''$ and an arc length of 98.80 feet to the west line of said Parcel 1;


thence along said west line of Parcel 1, North $00^{\circ}17'50''$ East 148.53 feet to the northwest corner thereof, and the **POINT OF BEGINNING**.

The above described area containing 35,762.78 square feet or 0.821 acres.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



12-22-2014

Date

RESOLUTION OF NECESSITY
LEGAL DESCRIPTION

PARCEL FB-16-0176-1 (FEE)

For road purposes, that portion of land situated in the County of Kings, State of California, being a portion of Parcel 1 of the map filed in Book 19 of Parcel Maps, Page 27 of said County, as described in Document No. 0005189, recorded March 29, 2000, Official Records of said County, portion described as follows:

BEGINNING at a point on the south line of Houston Avenue (80 feet wide), being the northeast corner of said Parcel 1;

thence along the east line of said Parcel 1, South 00°20'42" West 117.57 feet;

thence leaving said east line North 81°53'00" West 189.99 feet;

thence North 80°04'21" West 304.96 feet;

thence North 84°33'03" West 172.27 feet to the west line of said Parcel 1;

thence along the said west line, North 00°20'33" East 16.54 feet to said south line of Houston Avenue (80 feet wide) and the northwest corner of said Parcel 1;


thence along the north line of said Parcel 1, South 89°42'12" East 133.36 feet;

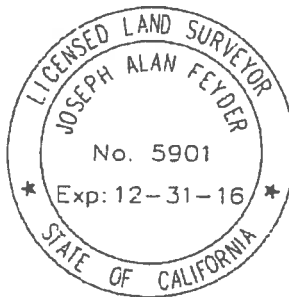
thence continuing along said north line, North 89°21'06" East 527.25 feet to the northeast corner of said Parcel 1 and the **POINT OF BEGINNING**.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



01-15-2015
Date

RESOLUTION OF NECESSITY
LEGAL DESCRIPTION

PARCEL FB-16-0176-2 (TEMPORARY CONSTRUCTION EASEMENT)

For temporary construction purposes, that portion of land situated in the County of Kings, State of California, being a portion of Parcel 1 of the map filed in Book 19 of Parcel Maps, Page 27 of said County, as described in Document No. 0005189, recorded March 29, 2000, Official Records of said County, portion described as follows:

COMMENCING at a point on the south line of Houston Avenue (80 feet wide), being the northwest corner of said Parcel 1;

thence along the west line of said Parcel 1, South 00°20'33" West 16.54 feet to the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, South 84°33'03" East 33.25 feet;

thence South 00°08'48" West 19.51 feet;

thence North 87°45'10" West 33.20 feet to the said west line of said Parcel 1;

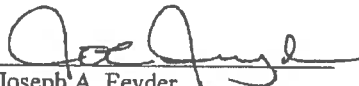
thence along said west line, North 00°20'33" East 21.36 feet to the **POINT OF BEGINNING**.

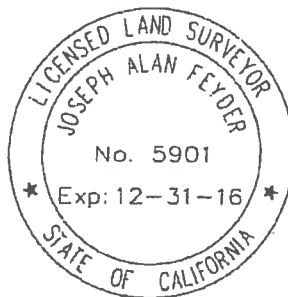
This easement shall become null and void and the rights to the above described temporary construction easement shall cease and terminate on May 13, 2020. Such rights may also be terminated prior to the above date by STATE upon notice to OWNER.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



01-15-2015
Date

J:\2014\14-1001\Engineering\CP2-3 - 198-LAN (2K2)\Appraisal Maps\2S-RW-M4009-2K2-Z4.dgn

CHSR-RW-Appraisal.tbl CHSR-RW-PDF_half.plt

5/15/2019 2:14:01 PM

JoeIF

DATE	BY	REVISIONS	DATE	BY	REVISIONS	DATE	BY	REVISIONS	DATE	BY	REVISIONS
02-19-15	J. FEYDER	0182 CHANGED GRANTOR NAME	04-01-19	R. HERNANDEZ	0901, REVISED DIMENSION	05-08-17	G. ANDERSON	REVISED PARCEL NUMBERS & CORRECTED DIMENSIONS	05-15-19	R. HERNANDEZ	0901, REVISED DIMENSION
11-30-16	G. ANDERSON	ADDED FB-16-0174-1, 2, 3, 01, 02	05-15-19	R. HERNANDEZ	ADDED 0153-7, 9, 10	08-28-17	G. ANDERSON	OWNERSHIP REVISION FB-16-0175	09-19-17	R. HERNANDEZ	REMOVED 0901-1, 2, 3; 0902-2, 3, 7
11-30-16	G. ANDERSON	REMOVED FB-16-0182-1	01-24-18	R. HERNANDEZ	REMOVED 0181 FROM 0175 AREAS	01-24-18	G. ANDERSON	REVISED FB-16-0153-6	01-24-18	R. HERNANDEZ	REVISED 0153-1, 3, 01-01
11-30-16	G. ANDERSON	ADDED FB-16-0175-1, 2	01-24-18	R. HERNANDEZ	REVISED ALL PARCELS EXCEPT FB-16-0175-1						

T.19S. R.22E. M. D. M. COUNTY OF KINGS

M1 - FD. 1/4 COR. SEC. 419, 19/22, 1-1/2" DISK MK'D "KINGS COUNTY SURVEYOR" (N 1,992,313.7620, E 6,387,211.6980)

SECTION 4

RECORD REFERENCES:

- (A) COUNTY OF KINGS ROAD LVII EXIST PUBLIC ROAD R/W FEE BK.923 PG.953 O.R., 06-26-1968
- (B) COUNTY OF KINGS ROAD LVII EXIST PUBLIC ROAD R/W FEE BK.959 PG.101 O.R., 09-29-1970

FB-16-0153
016-130-058
2008-05442

SEE MAP RW-M4007-2K2

PARCEL#	TITLE CODE	GRANTOR	AREAS (square feet or as noted)				REMARKS
			TOTAL	REQUIRED (1) [UF]	EXCESS (1) [UF]	REMAINDER	
FB-16-0153-1	F	Daniel & Belle Leal, Co-Trustees					SEE MAP RW-M4007-2K2
FB-16-0153-3	F	Daniel & Belle Leal, Co-Trustees		241,064			COUNTY R/W-HOUSTON AVE
FB-16-0153-7	F	Daniel & Belle Leal, Co-Trustees		5,829			COUNTY R/W-HOUSTON AVE
FB-16-0153-9	TCE	Daniel & Belle Leal, Co-Trustees		10,863			
FB-16-0153-10	TCE	Daniel & Belle Leal, Co-Trustees		3,310			
FB-16-0155-1	F	The County of Kings					COUNTY R/W-HOUSTON AVE; SEE MAP RW-M4010-2K2
FB-16-0155-2	TCE	The County of Kings					SEE MAP RW-M4010-2K2
FB-16-0155-4	TCE	The County of Kings		1,495			
FB-16-0174-1	F	Antonio & Margarida Silveira, Trst	130,621	59,783	70,838	0	COUNTY R/W-HOUSTON AVE
FB-16-0175-1	F	Sozinho Family Trust	76.00 Ac	391,848	196,766	59.24 Ac	
FB-16-0175-2	F	Sozinho Family Trust		99,795			COUNTY R/W-HOUSTON AVE
FB-16-0175-3	F	Sozinho Family Trust					COUNTY R/W-HOUSTON AVE; SEE MAP RW-M4008-2K2
FB-16-0175-9	F	Sozinho Family Trust		13,958			COUNTY R/W-HOUSTON AVE
FB-16-0177-1	F	Gabriel M Dias & John L Fragozo Jr					COUNTY R/W-HOUSTON AVE; SEE MAP RW-M4010-2K2
FB-16-0182-1	F	Antonio & Margarida Silveira, Trst	9,196	9,196		0	COUNTY R/W-HOUSTON AVE
FB-16-0415-2	F	Kings County Waste Mgmt Authority	111.42 Ac	2,307		111.37 Ac	COUNTY R/W-HOUSTON AVE

CONTINUES ON MAP RW-M4009-2K2-A

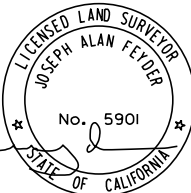
SEE MAP RW-M4008-2K2

SECTION 9

FB-16-0175
016-200-035
2017-11335
PARCEL 2
PM 3/89

NOTE: The State of California or its officers or agents shall not be responsible for the accuracy or completeness of digital images of this map.

JOSEPH A. FEYDER
PROFESSIONAL LAND SURVEYOR
FEBRUARY 2015
DATE



DETAIL "A"
NO SCALE

DETAIL "B"
NO SCALE

SEE MAP RW-M4011-2K2

GRANTOR NOTES		NOTES	
① Areas shown exclude underlying fee in the adjoining public way. Ac=acres, SF=Square Feet ② Indicates Underlying Fee (UF) Area Indicates Indeterminate UF TITLE CODES: F=Fee E=Easement (Ease) TCE=Temp Construction Ease F2X=Fee converted to Excess X2F=Excess converted to Fee F2E=Fee converted to Ease E2F=Ease converted to Fee O=Other (see Remarks)		Horizontal Datum: NAD83 (NRS2007), California Coordinate System of 1983. Coordinates and bearing are CCS83, Zone 4, Epoch 2007.00. Distances and stationing are grid distances. Divide by 0.99995952 to obtain ground level distances. All distances are in feet (U.S. Survey Feet).	
LEGEND		LEGEND	
Access Prohibited Access Superseded Access Opening (Private) Radial Bearing Total Distance Section Corner Found Monument as noted Calculated point (Not monument symbol) Title to State Required for Others High-Speed Train R/W		Access Prohibited Access Superseded Access Opening (Private) Radial Bearing Total Distance Section Corner Found Monument as noted Calculated point (Not monument symbol) Title to State Required for Others High-Speed Train R/W	
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD RIGHT OF WAY APPRAISAL MAP RW-M4009-2K2		CONTRACT COUNTY PM DWG No. SHEET NO. TOTAL SHEETS CP2-3 KIN RW-M4009-2K2 9 36	

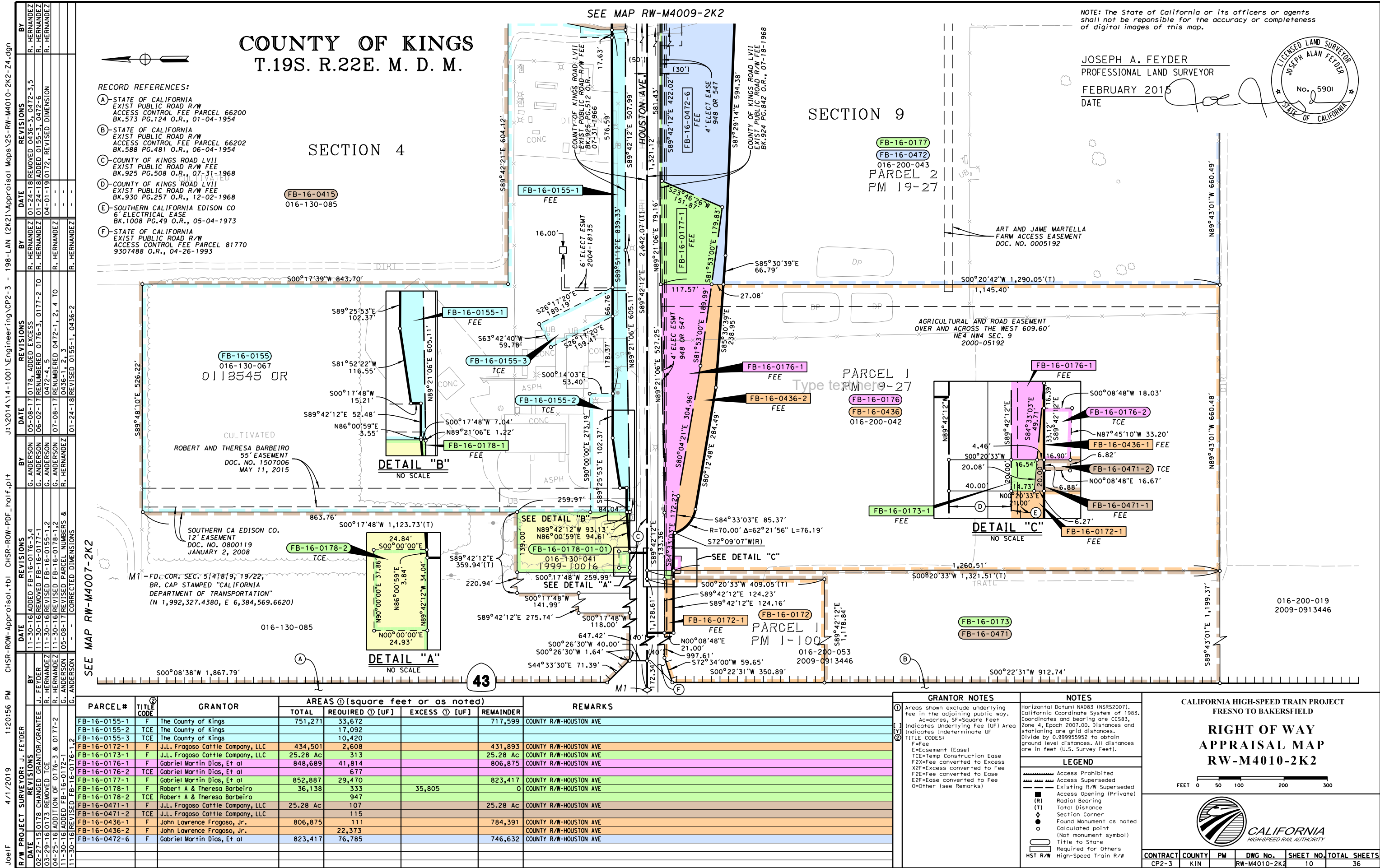


EXHIBIT A5

Crossing Legal Descriptions

Idaho Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0207-1 (FEE)

For rail purposes, that portion of land situated in the County of Kings, State of California, being a portion of the Northeast Quarter of Section 21, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, as described in Document No. 0308491, recorded April 04, 2003, Official Records of said County, portion described as follows:

COMMENCING at the Northwest corner of said Northeast Quarter of Section 21;

thence along the North line of said Northeast Quarter of Section 21, South 89°42'47" East 73.80 feet to the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, continuing along said North line of the Northeast Quarter of Section 21, South 89°42'47" East 130.05 feet;

thence South 01°55'33" West 22.18 feet;

thence South 02°01'43" West 115.25 feet;

thence South 02°27'32" West 115.24 feet to the beginning of a tangent curve;

thence in a southerly direction along said tangent curve to the right with a radius of 30565.00 feet, through a central angle of 04°29'45" and an arc length of 2398.30 feet to the South line of said Northeast Quarter of Section 21;

thence along said South line of the Northeast Quarter of Section 21, North 89°43'39" West 17.28 feet to the Southwest corner of said Section 21;

thence along the West line of the Northeast Quarter of said Section 21, North 00°25'56" East 1197.46 feet to the beginning of a non-tangent, 30435.00 foot radius curve, the radius point of which bears North 85°16'55" West;

thence in a northerly direction along said non-tangent curve to the left, through a central angle of 02°15'33" and an arc length of 1200.10 feet;

thence North 02°27'32" East 114.76 feet;

thence North 02°01'43" East 114.76 feet;

thence North 01°55'33" East 18.23 feet to the North line of said Northeast Quarter of said Section 21 and the **POINT OF BEGINNING**.

The above described area containing 28 ,378.72 square feet or 6.460 acres.

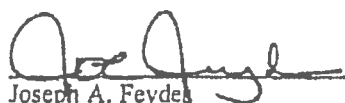
NUMBER: FB-16-0207-1

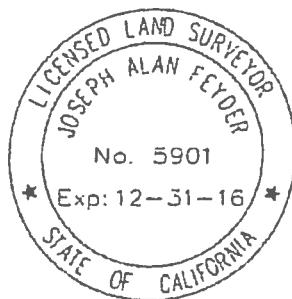
This conveyance is made for the purposes of a rail and the Owner hereby releases and relinquishes to the State any and all abutter's rights including access rights appurtenant to Owner's remaining property in and to said rail.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



1-9-2015
Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0207-2 (FEE)

For road purposes, that portion of land situated in the County of Kings, State of California, being a portion of the Northeast Quarter of Section 21, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, as described in Document No. 0308491, recorded April 04, 2003, Official Records of said County, portion described as follows:

BEGINNING at the Northwest corner of said Northeast Quarter of Section 21, thence along the North line of said Northeast Quarter of Section 21, South 89°42'47" East 73.80 feet;

thence South 01°55'33" West 18.23 feet;

thence South 02°01'43" West 114.76 feet;

thence South 02°27'32" West 111.33 feet;

thence North 87°32'28" West 66.23 feet to the West line of said Northeast Quarter of Section 21;


thence along said West line of the Northeast Quarter of Section 21, North 00°25'56" East 241.67 feet to the Northwest corner of said Northeast Quarter of Section 21 and the **POINT OF BEGINNING**.

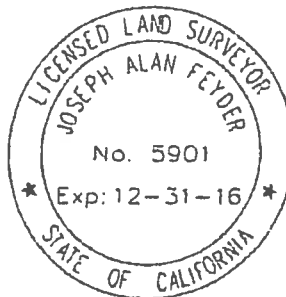
The above described area containing 17,068.66 square feet or 0.392 acres.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



1-9-2015
Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0207-3 (FEE)

For road purposes, that portion of land situated in the County of Kings, State of California, being a portion of the Northeast Quarter of Section 21, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, as described in Document No. 0308491, recorded April 04, 2003, Official Records of said County, portion described as follows:

COMMENCING at the Northwest corner of said Northeast Quarter of Section 21;

thence along the North line of said Northeast Quarter of Section 21, South $89^{\circ}42'47''$ East 203.86 feet to the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, continuing along said North line of the Northeast Quarter of Section 21, South $89^{\circ}42'47''$ East, 1746.61 feet;

thence South $00^{\circ}16'28''$ West 25.00 feet;

thence South $88^{\circ}19'24''$ West 302.25 feet;

thence South $00^{\circ}16'26''$ West 20.11 feet;

thence South $88^{\circ}05'47''$ West 47.28 feet to the beginning of a tangent curve;

thence in a westerly direction along said tangent curve to the left with a radius of 1000.00 feet, through a central angle of $08^{\circ}50'54''$ and an arc length of 154.43 feet;

thence South $79^{\circ}14'53''$ West 394.51 feet to the beginning of a tangent curve;

thence in a westerly direction along said tangent curve to the right with a radius of 4700.00 feet, through a central angle of $09^{\circ}17'11''$ and an arc length of 761.77 feet;

thence South $88^{\circ}32'04''$ West 108.68 feet;

thence North $02^{\circ}27'32''$ East 101.38 feet;

thence North $02^{\circ}01'43''$ East 115.25 feet;

thence North $01^{\circ}55'33''$ East 22.18 feet to said North line of the Northeast Quarter of Section 21 and the **POINT OF BEGINNING**.


The above described area containing 243,782.92 square feet or 5.596 acres.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

NUMBER: FB-16-0207-3

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



1-9-2015
Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0207-5 (EASEMENT)

For easement purposes, that portion of land situated in the County of Kings, State of California, being a portion of the Northeast Quarter of Section 21, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, as described in Document No. 0308491, recorded April 04, 2003, Official Records of said County, portion described as follows:

COMMENCING at the Northwest corner of said Northeast Quarter of Section 21;

thence along the North line of said Northeast Quarter of Section 21, South $89^{\circ}42'47''$ East 203.86 feet;

thence South $01^{\circ}55'33''$ West 22.18 feet;

thence South $02^{\circ}01'43''$ West 115.25 feet;

thence South $02^{\circ}27'32''$ West 101.38 feet to the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, North $88^{\circ}32'04''$ East 108.68 feet to the beginning of a tangent curve;

thence in a easterly direction along said tangent curve to the left with a radius of 4700.00 feet, through a central angle of $09^{\circ}17'11''$ and an arc length of 761.77 feet;

thence North $79^{\circ}14'53''$ East 394.51 feet to the beginning of a tangent curve;

thence in a easterly direction along said tangent curve to the right with a radius of 1000.00 feet, through a central angle of $08^{\circ}50'54''$ and an arc length of 154.43 feet;

thence North $88^{\circ}05'47''$ East 47.27 feet;

thence North $00^{\circ}16'26''$ East 20.11 feet;

thence North $88^{\circ}19'24''$ East 172.26 feet to the beginning of a non-tangent, 120.00 foot radius curve, the radius point of which bears North $68^{\circ}31'10''$ West;

thence in a southwesterly direction along said non-tangent curve to the right, through a central angle of $59^{\circ}32'58''$ and an arc length of 124.72 feet;

thence South $81^{\circ}01'48''$ West 1130.59 feet to the beginning of a tangent curve;

thence in a westerly direction along said tangent curve to the right with a radius of 1320.00 feet, through a central angle of $07^{\circ}02'13''$ and an arc length of 162.12 feet;

thence South $81^{\circ}04'01''$ West 258.09 feet to the beginning of a non-tangent, 30565.00 foot radius curve, the radius point of which bears North $87^{\circ}25'42''$ West;

thence in a northerly direction along said non-tangent curve to the left, through a central angle of 00°06'46" and an arc length of 60.09 feet;


thence North 02°27'32" East 13.87 feet to the **POINT OF BEGINNING**.

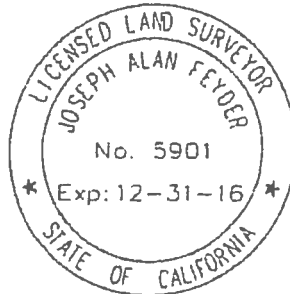
The above described area containing 110,588.57 square feet or 2.539 acres.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



1-9-2015
Date

RESOLUTION OF NECESSITY

LEGAL DESCRIPTION

FB-16-0205-1 (FEE)

For rail purposes, that portion of the Southeast Quarter of Section 16, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, Kings County, California, being described as follows:

COMMENCING at the South Quarter Corner of said Section 16; thence along the south line of said Section 17, South 89°42'47" East a distance of 73.80 feet, to the true **POINT OF BEGINNING**;

thence leaving said South line, North 01°55'33" East a distance of 25.01 feet, to a line parallel with and 25.00 feet north of said South line;

thence continuing, North 01°55'33" East a distance of 71.53 feet;

thence North 01°43'19" East, a distance of 114.77 feet;

thence North 01°31'36" East, a distance of 114.79 feet;

thence North 01°20'33" East, a distance of 114.80 feet;

thence North 01°10'16" East, a distance of 114.81 feet;

thence North 01°00'51" East, a distance of 114.83 feet;

thence North 00°52'22" East, a distance of 114.85 feet;

thence North 00°44'52" East, a distance of 114.87 feet;

thence North 00°38'24" East, a distance of 114.89 feet;

thence North 00°32'55" East, a distance of 114.91 feet;

thence North 00°28'26" East, a distance of 114.92 feet;

thence North 00°24'54" East, a distance of 114.94 feet;

thence North 00°22'13" East, a distance of 114.96 feet;

thence North 00°20'19" East, a distance of 114.97 feet;

thence North 00°19'04" East, a distance of 114.98 feet;

thence North 00°18'21" East, a distance of 114.99 feet;

thence North 00°18'01" East, a distance of 115.00 feet;

thence along a line hereinafter called Course "A", North 00°17'55" East a distance of 709.40 feet, to the North line of said Southeast Quarter;

thence along said North line, South 89°44'22" East a distance of 130.00 feet, to a line parallel with and 130.00 feet east of said Course "A";

thence along said parallel line, South 00°17'55" West a distance of 709.49 feet;

thence South 00°18'01" West, a distance of 115.00 feet;

thence South 00°18'21" West, a distance of 115.01 feet;

thence South 00°19'04" West, a distance of 115.02 feet;

thence South 00°20'19" West, a distance of 115.03 feet;

thence South 00°22'13" West, a distance of 115.04 feet;

thence South 00°24'54" West, a distance of 115.06 feet;

thence South 00°28'26" West, a distance of 115.08 feet;

thence South 00°32'55" West, a distance of 115.09 feet;

thence South 00°38'24" West, a distance of 115.11 feet;

thence South 00°44'52" West, a distance of 115.13 feet;

thence South 00°52'22" West, a distance of 115.15 feet;

thence South 01°00'51" West, a distance of 115.17 feet;

thence South 01°10'16" West, a distance of 115.19 feet;

thence South 01°20'33" West, a distance of 115.20 feet;

thence South 01°31'36" West, a distance of 115.22 feet;

thence South 01°43'19" West, a distance of 115.23 feet;

thence South 01°55'33" West, a distance of 68.04 feet to said line parallel with and 25.00 feet north of said South line of said Southeast Quarter;

thence continuing South 01°55'33" West a distance of 25.01 feet, to said South line;

thence along said South line, North 89°42'47" West a distance of 130.05 feet, to the **POINT OF BEGINNING**.

Lands abutting said rail shall have no right or easement of access thereto.

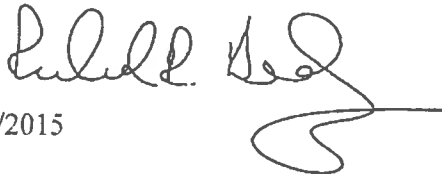
Excepting therefrom all water, water rights, oil rights, minerals, mineral rights, natural gas, natural gas rights, and other hydrocarbons by whatsoever name known that may be within or under the parcel of land hereinabove described.

Bearings and distances in the above descriptions are based on the California Coordinate System of 1983, Zone 4, as shown on Record of Survey recorded in Book 24 of Licensed Surveys at Page 8, Kings County Records. Distances are U.S. Survey Feet. Divide grid distances shown herein above by 0.9999334644 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors Act.

Signature:



Date: 7/01/2015



RESOLUTION OF NECESSITY

LEGAL DESCRIPTION

FB-16-0205-2 (FEE)

For rail purposes, that portion of the Southeast Quarter of Section 16, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, Kings County, California, being described as follows:

BEGINNING at the South Quarter Corner of said Section 16; thence along the South line of said Section 16, South $89^{\circ}42'47''$ East a distance of 73.80 feet;

thence leaving said South line, North $01^{\circ}55'33''$ East a distance of 25.01 feet, to a line parallel with and 25.00 feet north of said South line;

thence continuing, North $01^{\circ}55'33''$ East a distance of 71.53 feet;

thence North $01^{\circ}43'19''$ East a distance of 114.77 feet;

thence North $01^{\circ}31'36''$ East a distance of 27.83 feet, to the beginning of a non-tangent curve, concave southerly, and having a radius of 3,600.00 feet, to which beginning of curve a radial bears North $01^{\circ}35'43''$ East;

thence southwesterly along said curve, through a central angle of $01^{\circ}16'31''$, an arc distance of 80.12 feet, to the West line of said Southeast Quarter;

thence along said West line, South $00^{\circ}16'09''$ West a distance of 214.99 feet, to said line parallel with and 25.00 feet north of said South line;

thence continuing along said West line, South $00^{\circ}16'09''$ West a distance of 25.00 feet, to the **POINT OF BEGINNING**.

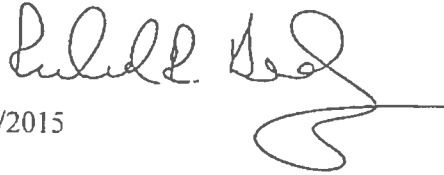
Excepting therefrom all water, water rights, oil rights, minerals, mineral rights, natural gas, natural gas rights, and other hydrocarbons by whatsoever name known that may be within or under the parcel of land hereinabove described.

Bearings and distances in the above descriptions are based on the California Coordinate System of 1983, Zone 4, as shown on Record of Survey recorded in Book 24 of Licensed Surveys at Page 8, Kings County Records. Distances are U.S. Survey Feet. Divide grid distances shown herein above by 0.9999334644 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors Act.

Signature:



Date: 7/01/2015



RESOLUTION OF NECESSITY

LEGAL DESCRIPTION

FB-16-0205-3 (FEE)

For rail purposes, that portion of the Southeast Quarter of Section 16, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, Kings County, California, being described as follows:

COMMENCING at the South Quarter Corner of said Section 16; thence along the South line of said Section 16, South 89°42'47" East a distance of 203.85 feet, to the true **POINT OF BEGINNING**;

thence continuing along said South line, South 89°42'47" East a distance of 1,746.61 feet;

thence leaving said South line, North 00°16'28" East a distance of 25.00 feet, to a line parallel with and 25.00 feet north of said South line;

thence North 86°21'11" West a distance of 302.93 feet;

thence North 00°00'00" East a distance of 17.16 feet;

thence North 83°57'50" West a distance of 110.16 feet to the beginning of a tangent curve, concave northeasterly, having a radius of 2,000.00 feet;

thence along said curve, through a central angle of 04°48'46", an arc distance of 168.00 feet;

thence North 79°09'04" West a distance of 332.65 feet, to the beginning of a tangent curve, concave southwesterly, having a radius of 5,000.00 feet;

thence northwesterly along said curve, through a central angle of 09°37'41", an arc distance of 840.22 feet;

thence South 01°31'36" West a distance of 31.61 feet;

thence South 01°43'19" West a distance of 115.23 feet;

thence South 01°55'33" West a distance of 68.04 feet, to said line parallel with and 25.00 feet north of the South line of said Southeast Quarter;

thence continuing South 01°55'33" West a distance of 25.01 feet, to the **POINT OF BEGINNING**.

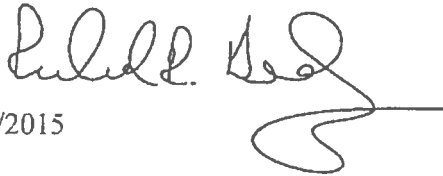
Excepting therefrom all water, water rights, oil rights, minerals, mineral rights, natural gas, natural gas rights, and other hydrocarbons by whatsoever name known that may be within or under the parcel of land hereinabove described.

Bearings and distances in the above descriptions are based on the California Coordinate System of 1933, Zone 4, as shown on Record of Survey recorded in Book 24 of Licensed Surveys at Page 8, Kings County Records. Distances are U.S. Survey Feet. Divide grid distances shown herein above by 0.9999334644 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors Act.

Signature:



Date: 7/01/2015



RESOLUTION OF NECESSITY

LEGAL DESCRIPTION

FB-16-0205-5 (Temporary Construction Easement)

A temporary easement of construction purposes and incidents thereto in and across that portion of the Southeast Quarter of Section 16, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, Kings County, California, being described as follows:

COMMENCING at the South Quarter Corner of said Section 16; thence along the South line of said Section 16, South 89°42'47" East a distance of 1,950.46 feet;

thence leaving said South line, North 00°16'28" East a distance of 25.00 feet, to a point on a line parallel with and 25.00 feet north of said South line. Said point being the true **POINT OF BEGINNING**;

thence North 86°21'11" West a distance of 216.11 feet;

thence North 64°48'40" East a distance of 149.48 feet;

thence South 89°43'32" East a distance of 80.77 feet;

thence South 00°16'28" West a distance of 76.98 feet, to the **POINT OF BEGINNING**.

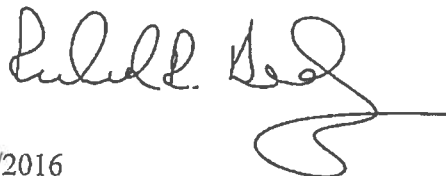
This easement shall become null and void and the rights to the above described temporary easement shall cease and terminate on October 15, 2021. Such rights may also be terminated prior to the above date by STATE upon notice to OWNER.

Bearings and distances in the above descriptions are based on the California Coordinate System of 1983, Zone 4, as shown on Record of Survey recorded in Book 24 of Licensed Surveys at Page 8, Kings County Records. Distances are U.S. Survey Feet. Divide grid distances shown herein above by 0.9999334644 to obtain ground level distances.

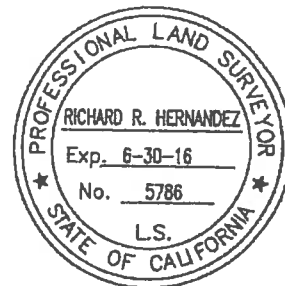
END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors Act.

Signature:



Date: 6/06/2016



RESOLUTION OF NECESSITY

LEGAL DESCRIPTION

FB-16-0275-1 (Fee)

For rail purposes, that portion of the Southwest Quarter of Section 16, situated in Township 19 South, Range 22 East, Mount Diablo Meridian, in the County of Kings, State of California, described as follows:

BEGINNING at the South Quarter Corner of said Section 16, marked with a 1" IP w/brass cap stamped "LS 4375";

thence along the South line of said Section 16, North 89°43'42" West a distance of 1,649.53 feet;

thence North 00°18'11" East a distance of 25.00 feet, to the North Right-of-Way of Idaho Avenue;

thence North 85°42'13" East a distance of 288.49 feet;

thence North 12°59'07" West a distance of 20.33 feet;

thence North 85°37'23" East a distance of 129.24 feet, to the beginning of a tangent curve, concave northwesterly, having a radius of 2,000.00 feet;

thence northeasterly along said curve, through a central angle of 06°38'10", an arc distance of 231.64 feet;

thence North 78°59'12" East a distance of 306.92 feet, to the beginning of a tangent curve, concave southeasterly, having a radius of 3,600.00 feet;

thence northeasterly and easterly along said curve, through a central angle of 11°20'00", an arc distance of 712.09 feet, to the east line of said Southwest Quarter of Section 16;

thence along said east line, South 00°16'09" West a distance of 239.99 feet, to the **POINT OF BEGINNING**.

Together with the underlying fee, if any, in the adjoining Idaho Avenue.

Also excepting therefrom 50% of all oil, gas and other hydrocarbon substances in, on and beneath the land, as reserved by J.E.Z. Anderson, a single man, in Deed recorded March 4, 1953 in Book 549, at Page 89 of Official Records, as Document No. 2192.

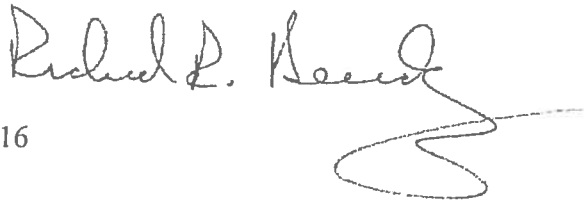
Also excepting therefrom 50% of oil, gas, minerals, mineral rights and other hydrocarbon substances within or underlying the subject property as reserved by Bennie L. Marchbanks, et ux, in Deed recorded September 30, 1983, in Book 1277, at Page 135 of Official Records, as Document No. 13485.

Bearings and distances in the above description are based on the California Coordinate System 1983, Zone 4, Epoch 2007.00, as shown on Record of Survey recorded in Volume 24 of Licensed Surveyors' Plats at Page 8, Kings County Records. Divide grid distances herein above by 0.99995595 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors' Act.

Signature:



Date: 6/8/2016



RESOLUTION OF NECESSITY

LEGAL DESCRIPTION

FB-16-0206-1 (FEE)

For rail purposes, that portion of Parcel 1 as shown in a Parcel Map recorded in Book 12 of Parcel Maps at Page 45, records of Kings County, California, situated in the Northwest Quarter of Section 21, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, being described as follows:

COMMENCING at the North Quarter Corner of said Section 21; thence along the East line of said Northwest Quarter, South $00^{\circ}25'46''$ West a distance of 25.00 feet, to a point on a line parallel with and 25.00 feet south of the North line of said Northwest Quarter also being the South Right of Way of Idaho Avenue (50.00' Wide). Said point being the true **POINT OF BEGINNING**;

thence continuing along said East line, South $00^{\circ}25'56''$ West a distance of 216.67 feet;

thence North $87^{\circ}32'28''$ West a distance of 58.00 feet, to the beginning of a tangent curve, concave northeasterly, having a radius of 4,500.00 feet;

thence northwesterly along said curve, through a central angle of $08^{\circ}49'47''$, an arc distance of 693.48 feet;

thence North $78^{\circ}42'41''$ West, a distance of 254.97 feet, to the beginning of a tangent curve, concave southwesterly, having a radius of 2,000.00 feet;

thence northwesterly along curve, through a central angle of $02^{\circ}54'06''$, an arc distance of 101.28 feet;

thence North $81^{\circ}36'47''$ West a distance of 195.31 feet;

thence North $11^{\circ}06'32''$ East a distance of 20.31 feet;

thence North $86^{\circ}18'06''$ West a distance of 363.69 feet, to said parallel line and South Right of Way;

thence along last said parallel line and South Right of Way, South $89^{\circ}43'42''$ East a distance of 1,649.47 feet, to the **POINT OF BEGINNING**.

Lands abutting said rail shall have no right or easement of access thereto.

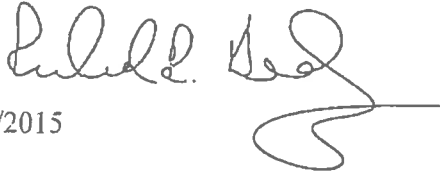
Excepting therefrom all water, water rights, oil rights, minerals, mineral rights, natural gas, natural gas rights, and other hydrocarbons by whatsoever name known that may be within or under the parcel of land hereinabove described.

Bearings and distances in the above descriptions are based on the California Coordinate System of 1983, Zone 4, as shown on Record of Survey recorded in Book 24 of Licensed Surveys at Page 8, Kings County Records. Distances are U.S. Survey Feet. Divide grid distances shown herein above by 0.9999334644 to obtain ground level distances.

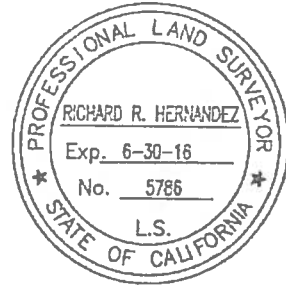
END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors Act.

Signature:



Date: 6/25/2015



RESOLUTION OF NECESSITY

LEGAL DESCRIPTION

FB-16-0206-2 (EASEMENT)

An easement for canal purposes and incidents thereto in and across that portion of Parcel 1 as shown on a Parcel Map recorded in Book 12 of Parcel Maps at Page 45, records of Kings County, California, situated in the Northwest Quarter of Section 21, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, being described as follows:

COMMENCING at the North Quarter Corner of said Section 21; thence along the East line of said Northwest Quarter, South 00°25'46" West a distance of 25.00 feet, to a point on a line parallel with and 25.00 feet south of the North line of said Northwest Quarter also being the South Right of Way of Idaho Avenue (50.00' Wide).

thence continuing along said East line, South 00°25'56" West a distance of 216.67 feet, to the true **POINT OF BEGINNING**;

thence leaving said East line, North 87°32'28" West a distance of 30.01 feet;

thence South 02°32'10" East a distance of 329.82 feet;

thence South 03°24'58" West a distance of 347.16 feet;

thence South 04°00'57" West a distance of 110.40 feet, to the South line of said Parcel 1;

thence along said South line, South 89°47'46" East a distance of 37.88 feet, to said East line of said Northwest Quarter;

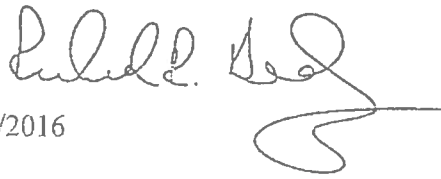
thence along said East line, North 00°25'56" East a distance of 785.04 feet, to the **POINT OF BEGINNING**.

Bearings and distances in the above descriptions are based on the California Coordinate System of 1983, Zone 4, as shown on Record of Survey recorded in Book 24 of Licensed Surveys at Page 8, Kings County Records. Distances are U.S. Survey Feet. Divide grid distances shown herein above by 0.9999334644 to obtain ground level distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my Direction, in conformance with the Professional Land Surveyors Act.

Signature:



Date: 6/16/2016



EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0207-1 (FEE)

For rail purposes, that portion of land situated in the County of Kings, State of California, being a portion of the Northeast Quarter of Section 21, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, as described in Document No. 0308491, recorded April 04, 2003, Official Records of said County, portion described as follows:

COMMENCING at the Northwest corner of said Northeast Quarter of Section 21;

thence along the North line of said Northeast Quarter of Section 21, South 89°42'47" East 73.80 feet to the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, continuing along said North line of the Northeast Quarter of Section 21, South 89°42'47" East 130.05 feet;

thence South 01°55'33" West 22.18 feet;

thence South 02°01'43" West 115.25 feet;

thence South 02°27'32" West 115.24 feet to the beginning of a tangent curve;

thence in a southerly direction along said tangent curve to the right with a radius of 30565.00 feet, through a central angle of 04°29'45" and an arc length of 2398.30 feet to the South line of said Northeast Quarter of Section 21;

thence along said South line of the Northeast Quarter of Section 21, North 89°43'39" West 17.28 feet to the Southwest corner of said Section 21;

thence along the West line of the Northeast Quarter of said Section 21, North 00°25'56" East 1197.46 feet to the beginning of a non-tangent, 30435.00 foot radius curve, the radius point of which bears North 85°16'55" West;

thence in a northerly direction along said non-tangent curve to the left, through a central angle of 02°15'33" and an arc length of 1200.10 feet;

thence North 02°27'32" East 114.76 feet;

thence North 02°01'43" East 114.76 feet;

thence North 01°55'33" East 18.23 feet to the North line of said Northeast Quarter of said Section 21 and the **POINT OF BEGINNING**.

The above described area containing 28 ,378.72 square feet or 6.460 acres.

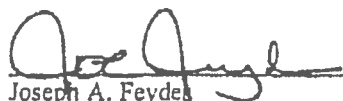
NUMBER: FB-16-0207-1

This conveyance is made for the purposes of a rail and the Owner hereby releases and relinquishes to the State any and all abutter's rights including access rights appurtenant to Owner's remaining property in and to said rail.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



1-9-2015
Date

EXHIBIT A6

Crossing Legal Descriptions

Jackson Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0214-1 (FEE)

For rail purposes, that portion of land situated in the County of Kings, State of California, being a portion of the North Half of the Northwest Quarter of Section 28, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, as described in Document Number 0632326, recorded October 31, 2006, Official Records of said County, portion described as follows:

COMMENCING at the Northeast corner of said North Half of the Northwest Quarter of Section 28;

thence along the North line of said North Half of the Northwest Quarter of Section 28, North 89°44'32" West 408.08 feet to a point on the North line of lands described in said Document Number 0632326, and the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, continuing along said North line of North Half of the Northwest Quarter of Section 28, North 89°44'32" West 50.79 feet to the Northwest corner of said lands described in said Document Number 0632326;

thence along the West line of said lands, South 00°15'28" West 199.99 feet to the Southwest corner of said lands;

thence along the South line of said lands, South 89°44'32" East 8.61 feet to the beginning of a non-tangent, 30560.00 foot radius curve, the radius point of which bears North 77°38'26" West;

thence in a northerly direction along said non-tangent curve to the left, through a central angle of 00°23'00" and an arc length of 204.39 feet to the North line of said North Half of the Northwest Quarter of Section 28 and the North line of said lands, and the **POINT OF BEGINNING**.

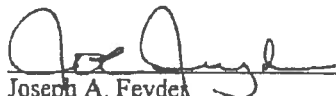
The above described area containing 5,962.97 square feet or 0.137 acres.

This conveyance is made for the purposes of a rail and the Owner hereby releases and relinquishes to the State any and all abutter's rights including access rights appurtenant to Owner's remaining property in and to said rail.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



12-23-2014
Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0214-2 (FEE)

For road purposes, that portion of land situated in the County of Kings, State of California, being a portion of the North Half of the Northwest Quarter of Section 28, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, as described in Document Number 0632326, recorded October 31, 2006, Official Records of said County, portion described as follows:

COMMENCING at the Northeast corner of said North Half of the Northwest Quarter of Section 28;
thence along the North line of said North Half of the Northwest Quarter of Section 28, North 89°44'32" West 349.98 feet to Northeast corner of lands described in said Document Number 0632326 and the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, along the East line of said lands, South 00°15'28" West 199.99 feet to the Southeast corner of said lands;

thence along the South line of said lands, North 89°44'32" West 100.28 feet to the beginning of a non-tangent, 30560.00 foot radius curve, the radius point of which bears North 77°38'26" West;

thence in a northerly direction along said non-tangent curve to the left, through a central angle of 00°23'00" and an arc length of 204.39 feet to the North line of the North Half of the Northwest Quarter of Section 28;

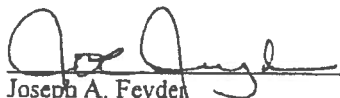
thence along said North line, South 89°44'32" East 58.10 feet to the Northeast corner of said lands, and the **POINT OF BEGINNING**.

The above described area containing 15,813.95 square feet or 0.363 acres.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



12-23-2014
Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0211-1 (FEE)

For rail purposes, that portion of land situated in the County of Kings, State of California, being a portion of the South Half of the South Half of Section 21, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, as described in Document Number 0819487, recorded October 16, 2008, Official Records of said County, portion described as follows:

COMMENCING at the Southeast corner of the Southwest Quarter of Section 21;

thence along the South line of the South Half of the South Half of Section 21, North $89^{\circ}44'32''$ West 408.08 feet to the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, continuing along said South Half of the South Half of Section 21, North $89^{\circ}44'32''$ West 127.67 feet to the beginning of a non-tangent, 30435.00 foot radius curve, the radius point of which bears North $77^{\circ}58'30''$ West;

thence in a northerly direction along said non-tangent curve to the left, through a central angle of $02^{\circ}31'48''$ and an arc length of 1343.89 feet to the North line of the said South Half of the South Half of Section 21;

thence along said North line of the South Half of the South Half of Section 21, South $89^{\circ}44'05''$ East 131.70 feet to the beginning of a non-tangent, 30565.00 foot radius curve, the radius point of which bears North $80^{\circ}32'40''$ West;

thence in a southerly direction along said non-tangent curve to the right, through a central angle of $00^{\circ}42'59''$ and an arc length of 382.16 feet;

thence South $11^{\circ}12'30''$ West 558.04 feet to the beginning of a tangent curve;

thence in a southerly direction along said tangent curve to the right with a radius of 30560.00 feet, through a central angle of $00^{\circ}45'30''$ and an arc length of 404.41 feet to the said South line of the South Half of the South Half of Section 21 and the **POINT OF BEGINNING**.


This conveyance is made for the purposes of a rail and the Owner hereby releases and relinquishes to the State any and all abutter's rights including access rights appurtenant to Owner's remaining property in and to said rail.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

NUMBER: FB-16-0211-1

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



01-20-2015
Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0211-2 (FEE)

For road purposes, that portion of land situated in the County of Kings, State of California, being a portion of the South Half of the South Half of Section 21, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, as described in Document Number 0819487, recorded October 16, 2008, Official Records of said County, portion described as follows:

BEGINNING at the Southeast corner of the Southwest Quarter of Section 21;

thence from said **POINT OF BEGINNING**, along the South line of said South Half of the South Half of Section 21, North $89^{\circ}44'32''$ West 408.08 feet to the beginning of a non-tangent, 30560.00 foot radius curve, the radius point of which bears North $78^{\circ}01'26''$ West;

thence in a northerly direction along said non-tangent curve to the left, through a central angle of $00^{\circ}33'39''$ and an arc length of 299.18 feet;

thence South $82^{\circ}02'41''$ East 716.75 feet;

thence South $80^{\circ}00'32''$ East 725.95 feet;

thence South $41^{\circ}56'47''$ East 46.16 feet;

thence South $89^{\circ}16'31''$ East 16.93 feet;


thence South $28^{\circ}48'58''$ West 46.04 feet to the South line of said South Half of the South Half of Section 21;

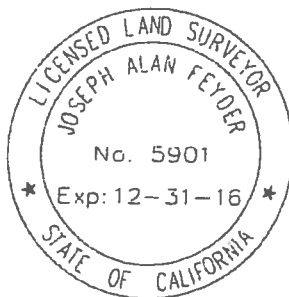
thence along said South line of the said South Half of the South Half of Section 21, North $89^{\circ}43'42''$ West 1102.96 feet to the **POINT OF BEGINNING**.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



01-20-2015
Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0211-3 (FEE)

For road purposes, that portion of land situated in the County of Kings, State of California, being a portion of the South Half of the South Half of Section 21, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, as described in Document Number 0819487, recorded October 16, 2008, Official Records of said County, portion described as follows:

COMMENCING at the Southeast corner of the Southwest Quarter of Section 21;

thence along the South line of said South Half of the South Half of Section 21, North 89°44'32" West 535.75 feet to the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, continuing along the said South line of said South Half of the South Half of Section 21, North 89°44'32" West 1526.03 feet;

thence North 00°16'56" East 25.00 feet;

thence North 84°39'09" East 339.04 feet;

thence North 07°47'54" West 19.81 feet;

thence North 82°35'34" East 137.51 feet to the beginning of a tangent curve;

thence in a easterly direction along said tangent curve to the left with a radius of 1500.00 feet, through a central angle of 03°03'26" and an arc length of 80.04 feet;

thence North 79°32'08" East 298.06 feet to the beginning of a tangent curve;

thence in a easterly direction along said tangent curve to the right with a radius of 4500.00 feet, through a central angle of 06°36'49" and an arc length of 519.43 feet;

thence North 86°08'57" East 219.40 feet to the beginning of a non-tangent, 30435.00 radius curve, the radius point of which bears North 78°26'58" West;


thence in a southerly direction along said non-tangent curve to the right, through a central angle of 00°28'29" and an arc length of 252.12 feet to the said South line of said South Half of the South Half of Section 21 and the **POINT OF BEGINNING**.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

NUMBER: FB-16-0211-3

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



01-20-2015
Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0215-1 (FEE)

For rail purposes, that portion of land situated in the County of Kings, State of California, being a portion of the North Half of the Northwest Quarter of Section 28, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, as described in Document Number 0819483, recorded October 16, 2008, Official Records of said County, portion described as follows:

COMMENCING at the Northeast corner of said North Half of the Northwest Quarter of Section 28;

thence North 89°44'32" West along the North line of said North Half of the Northwest Quarter of Section 28, 458.87 feet to Northwest corner of that certain parcel described in Document Number 0632326 of said County and the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, South 00°15'28" West 199.99 feet;

thence South 89°44'32" East 8.61 feet to the beginning of a non-tangent, 30560.00 foot radius curve, the radius point of which bears North 77°38'26" West;

thence in a southerly direction along said non-tangent curve to the right, through a central angle of 00°04'23" and an arc length of 38.93 feet;

thence South 12°27'05" West 563.10 feet to the beginning of a non-tangent, 30565.00 foot radius curve, the radius point of which bears North 76°30'43" West;

thence in a southerly direction along said non-tangent curve to the right, through a central angle of 01°01'37" and an arc length of 547.80 feet to the South line of the said North Half of the Northwest Quarter of Section 28;

thence along said South line of the North Half of the Northwest Quarter of Section 28, North 89°43'49" West 134.14 feet to the beginning of a non-tangent, 30435.00 foot radius curve, the radius point of which bears North 75°25'23" West;

thence in a northerly direction along said non-tangent curve to the left, through a central angle of 02°33'07" and an arc length of 1355.61 feet to the North line of said North Half of the Northwest Quarter of Section 28;

thence along said North line of the North Half of the Northwest Quarter of Section 28, South 89°44'32" East 76.88 feet to the **POINT OF BEGINNING**.

The above described area containing 167,134.34 square feet or 3.837 acres.

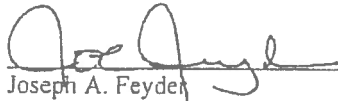
This conveyance is made for the purposes of a rail and the Owner hereby releases and relinquishes to the State any and all abutter's rights including access rights appurtenant to Owner's remaining property in and to said rail.

NUMBER: FB-16-0215-1

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



1-9-2015
Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0215-3 (FEE)

For road purposes, that portion of land situated in the County of Kings, State of California, being a portion of the North Half of the Northwest Quarter of Section 28, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, as described in Document Number 0819483, recorded October 16, 2008, Official Records of said County, portion described as follows:

COMMENCING at the Northeast corner of said North Half of the Northwest Quarter of Section 28;

thence North 89°44'32" West along the North line of the North Half of the Northwest Quarter of Section 28, 535.75 feet to the beginning of a non-tangent, 30435.00 foot radius curve, the radius point of which bears North 77°58'30" West, and the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, in a southerly direction along said non-tangent curve to the right, through a central angle of 00°28'18" and an arc length of 250.49 feet;

thence North 85°54'21" West 71.64 feet to the beginning of a tangent curve;

thence in a westerly direction along said tangent curve to the right with a radius of 4900.00 feet, through a central angle of 08°03'04" and an arc length of 688.53 feet;

thence North 77°51'17" West 126.68 feet to the beginning of a tangent curve;

thence in a westerly direction along said tangent curve to the left with a radius of 2500.00 feet, through a central angle of 05°27'28" and an arc length of 238.15 feet;

thence North 83°18'46" West 76.65 feet;

thence North 08°17'35" East 20.79 feet;

thence North 84°12'38" West 290.08 feet;

thence North 00°16'56" East 25.00 feet to the North line of the North Half of the Northwest Quarter of Section 28;

thence along said North line of the North Half of the Northwest Quarter of Section 28, South 89°44'32" East 1526.03 feet to the **POINT OF BEGINNING**.


The above described area containing 217,758.87 square feet or 4.999 acres.

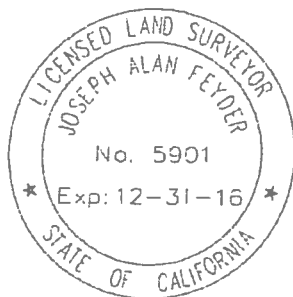
The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

NUMBER: FB-16-0215-3

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



1-9-2015

Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0215-4 (FEE)

For road purposes, that portion of land situated in the County of Kings, State of California, being a portion of the North Half of the Northwest Quarter and a portion of the Northeast Quarter of Section 28, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, as described in Document Number 0819483, recorded October 16, 2008, Official Records of said County, portion described as follows:

BEGINNING at the Northeast corner of said North Half of the Northwest Quarter of Section 28;

Thence from said **POINT OF BEGINNING**, along the North line of the Northeast Quarter of Section 28, South 89°43'42" East 48.10 feet;

thence South 00°40'58" West 228.13 feet;

thence South 83°40'42" West 367.27 feet;

thence North 76°48'09" West 143.65 feet to the beginning of a non-tangent, 30560.00 foot radius curve, the radius point of which bears North 77°34'03" West;

thence in a northerly direction along said non-tangent curve to the left, through a central angle of 00°04'23" and an arc length of 38.93 feet;

thence South 89°44'32" East 100.28 feet;

thence North 00°15'28" East 199.99 feet to the North line of the Northwest Quarter of Section 28;

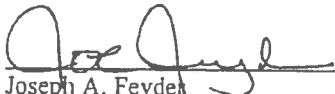
thence along said North line of the Northwest Quarter of Section 28, South 89°44'32" East 349.98 feet to the Northeast corner of said North Half of the Northwest Quarter of Section 28 and the **POINT OF BEGINNING**.

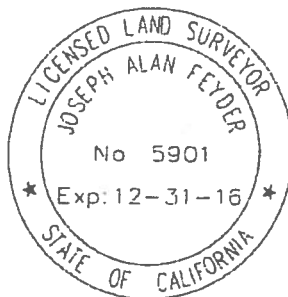
The above described area containing 104,837.08 square feet or 2.407 acres.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



1-9-2015
Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0215-5 (EASEMENT)

For easement purposes, that portion of land situated in the County of Kings, State of California, being a portion of the Northwest Quarter of the Northeast Quarter, and the North Half of the Northwest Quarter of Section 28, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, as described in Document Number 0819483, recorded October 16, 2008, Official Records of said County, portion described as follows:

COMMENCING at the Northeast corner of said North Half of the Northwest Quarter of Section 28;

thence East along the North line of Northeast Quarter of Section 28, South $89^{\circ}43'42''$ 48.10 feet to the Northeast corner of lands described in said document;

thence along the East line of said lands, South $00^{\circ}40'58''$ West 228.13 feet to the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, continuing South $00^{\circ}40'58''$ West 40.30 feet;

thence South $83^{\circ}40'42''$ West 234.05 feet;

thence North $06^{\circ}19'18''$ West 40.00 feet;


thence North $83^{\circ}40'42''$ East 238.97 feet to said East line of said lands, and the **POINT OF BEGINNING**;

The above described area containing 9,460.38 square feet or 0.217 acres.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances..

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



1-9-2015
Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0216-1 (FEE)

For road purposes, that portion of land situated in the County of Kings, State of California, being a portion of the West Half of the Northeast Quarter of Section 28, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, described as Parcel 3 in Document Number 9912380, recorded June 10, 1999, Official Records of said County, portion described as follows:

COMMENCING at the Northwest corner of said West Half of the Northeast Quarter of Section 28;

thence along the North line of the West Half of the Northeast Quarter of Section 28, South 89°43'42" East 48.10 feet to the Northeast corner of said Parcel 3 described in Document Number 9912380, Official Records of said County, and the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, continuing along the North line of the West Half of the Northeast Quarter of Section 28, South 89°43'42" East 1272.63 feet to the Northeast corner of the said West Half of the Northeast Quarter of Section 28;

thence along said East line, South 00°25'50" West 38.48 feet;

thence North 89°43'42" West 18.87 feet to the beginning of a non-tangent, 50.00 foot radius curve, the radius point of which bears North 89°43'42" West;

thence in a southwesterly direction along said non-tangent curve to the right, through a central angle of 83°24'24" and an arc length of 72.79 feet;

thence South 83°40'42" West 1219.09 feet to the East line of those certain lands described in Document Number 0819483, Official Records of said County;


thence along said East line, North 00°40'58" East 228.13 feet to the North line of the West Half of the Northeast Quarter of Section 28 and the **POINT OF BEGINNING**.

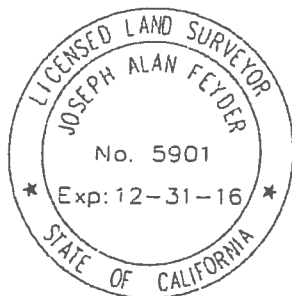
The above described area containing 195,428.46 square feet or 4.486 acres.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



12-23-2014
Date

EXHIBIT "A"
LEGAL DESCRIPTION

The land referred to herein below is situated in the County of Kings, State of California:

FB-16-0216-2 (FEE)

That portion of Parcel 3, as described in a Grant Deed recorded as Document No. 9912380, on June 10, 1999, Official Records of Kings County, State of California, situated in the West Half of the Northeast Quarter of Section 28, Township 19 South, Range 22 East, Mount Diablo Meridian, described as follows:

COMMENCING at the North Quarter Corner of said Section 28;

thence along the North line of said Section 28, South $89^{\circ}43'42''$ East a distance of 1,320.73 feet, to the East line of said West Half of the Northeast Quarter;

thence along said East line, South $00^{\circ}25'49''$ West a distance of 38.48 feet, to a point on a line parallel with and 38.48 feet south of said North line, said point being the true **POINT OF BEGINNING**;

thence along said parallel line, North $89^{\circ}43'42''$ West a distance of 18.87 feet, to the beginning of a non-tangent curve hereinafter called Curve "A", concave northwesterly having a radius of 50.00 feet, to which beginning of curve a radial bears South $89^{\circ}43'42''$ East;

thence south and southwesterly along said Curve "A", through a central angle of $83^{\circ}24'24''$, an arc distance of 72.79 feet;

thence along a line hereinafter called Line "B", South $83^{\circ}40'42''$ West a distance of 1,219.09 feet, to the West line of that property granted to Union Water and Ditch Company, per an instrument recorded in Book 22 Page 276, on December 11, 1903, Official Records of said Kings County, also as shown on a Record of Survey filed in Book 9 of Licensed Surveyors Plats, at Page 33, in said Kings County;

thence along said West line, South $00^{\circ}40'58''$ West a distance of 40.30 feet, to a line parallel with and 40.00 feet southeasterly from said Line "B";

thence along said parallel line, North $83^{\circ}40'42''$ East a distance of 1,224.00 feet, to a tangent curve concentric with and 40.00 feet southeasterly from said Curve "A", concave northwesterly having a radius of 90.00 feet;

thence northeasterly along said concentric curve, through a central angle of $43^{\circ}10'45''$, an arc distance of 67.83 feet to the East line of said West half;

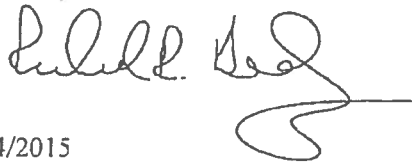
thence along said East line, North $00^{\circ}25'49''$ East a distance of 58.12 feet to the **POINT OF BEGINNING**.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Divide grid distances by 0.999955951 to obtain ground distances.

END OF DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.

Signature:



Date: 12/14/2015



EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0216-3 (EASEMENT)

For easement purposes, that portion of land situated in the County of Kings, State of California, being a portion of the West Half of the Northeast Quarter of Section 28, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, described as Parcel 3 in Document Number 9912380, recorded June 10, 1999, Official Records of said County, portion described as follows:

COMMENCING at the Northwest corner of said West Half of the Northeast Quarter of Section 28;

thence along the North line of the West Half of the Northeast Quarter of Section 28, South $89^{\circ}43'42''$ East 48.10 feet to the Northwest corner of that certain Parcel 3 described in said Document Number 9912380, Official Records of said County;

thence along the West line of said lands, South $00^{\circ}40'58''$ West 268.43 feet;

thence North $83^{\circ}40'42''$ East 80.60 feet to the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, continuing North $83^{\circ}40'42''$ East 1143.40 feet to the beginning of a tangent curve;

thence in a northeasterly direction along said tangent curve to the left with a radius of 90.00 feet, through a central angle of $43^{\circ}10'45''$ and an arc length of 67.83 feet to the East line of the West Half of the Northeast Quarter of Section 28;

thence along said East line of the West Half of the Northeast Quarter of Section 28, South $00^{\circ}25'49''$ West 102.94 feet to the beginning of a non-tangent, 175.00 foot radius curve, the radius point of which bears North $22^{\circ}44'47''$ West;

thence in a westerly direction along said non-tangent curve to the right, through a central angle of $16^{\circ}25'29''$ and an arc length of 50.17 feet;

thence South $83^{\circ}40'42''$ West 1153.85 feet;

thence North $00^{\circ}40'58''$ East 85.64 feet to the **POINT OF BEGINNING**.

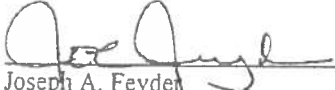
The above described area containing 102,515.46 square feet or 2.353 acres.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

NUMBER: FB-16-0216-3

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



12-23-2014
Date

EXHIBIT "A"
LEGAL DESCRIPTION

PARCEL FB-16-0216-4 (TEMPORARY CONSTRUCTION EASEMENT)

For temporary construction purposes, that portion of land situated in the County of Kings, State of California, being a portion of the West Half of the Northeast Quarter of Section 28, Township 19 South, Range 22 East, Mount Diablo Base and Meridian, described as Parcel 3 in Document Number 9912380, recorded June 10, 1999, Official Records of said County, portion described as follows:

COMMENCING at the Northwest corner of said West Half of the Northeast Quarter of Section 28;

thence along the North line of the West Half of the Northeast Quarter of Section 28, South 89°43'42" East 48.10 feet to the Northwest corner of that certain Parcel 3 described in Document Number 9912380, Official Records of said County;

thence along the West line of said lands, South 00°40'58" West 268.43 feet;

thence North 83°40'42" East 80.60 feet;

thence South 00°40'58" West 85.64 feet to the **POINT OF BEGINNING**.

Thence from said **POINT OF BEGINNING**, North 83°40'42" East 5.73 feet;

thence South 01°05'02" West 231.09 feet;

thence South 89°59'17" West 4.07 feet;


thence North 00°40'58" East 230.44 feet to the **POINT OF BEGINNING**.

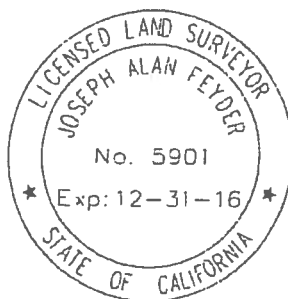
The above described area containing 1,124.67 square feet or 0.026 acres.

The bearings and distances used in the above description are based on the California Coordinate System 1983, Zone 4, as shown on Record of Survey, Book 24, Page 8, Epoch 2007.00. Multiply grid distances by 1.00004405 to obtain ground distances.

END DESCRIPTION

This real property description has been prepared by me, or under my direction, in conformance with the Professional Land Surveyors' Act.


Joseph A. Feyder
Professional Land Surveyor
California No. 5901



12-23-2014
Date

EXHIBIT B1

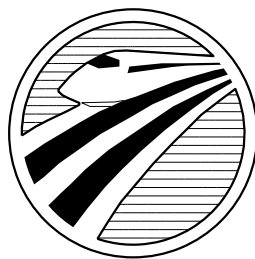
Locations Map

Dover Avenue

Dragados Flatiron Joint Venture

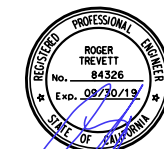
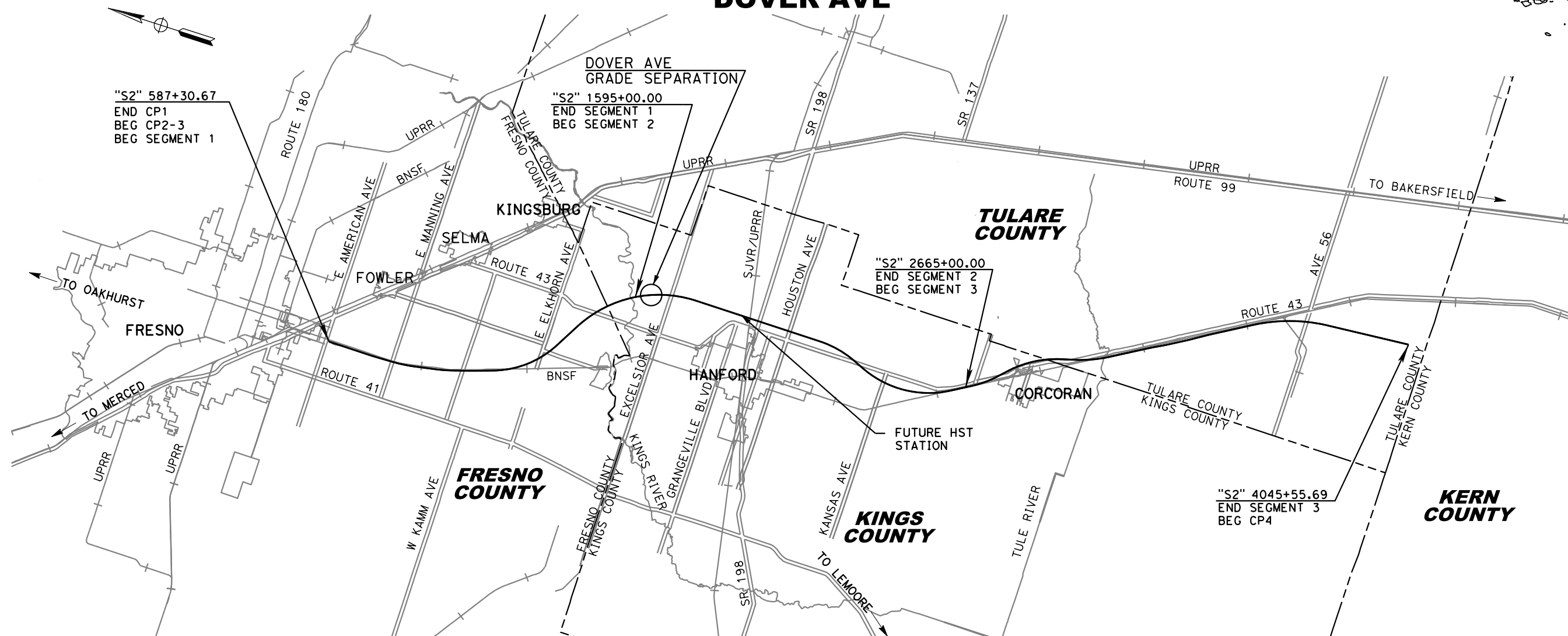
1775 Park Street Suite 75

Selma, CA 93662



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

RFC SUBMITTAL
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SIERRA SUBDIVISION
SEGMENT 2 / CONSTRUCTION PACKAGE 2-3
CIVIL ROADWAY
DOVER AVE



1/25/2018



Know what's below.
Call before you dig.

PROJECT LOCATION MAP



CONTRACT No. **HSR13-57**

DATE: 01/26/2018

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EXHIBIT B2

Locations Map

Grangeville Boulevard

Dragados Flatiron Joint Venture

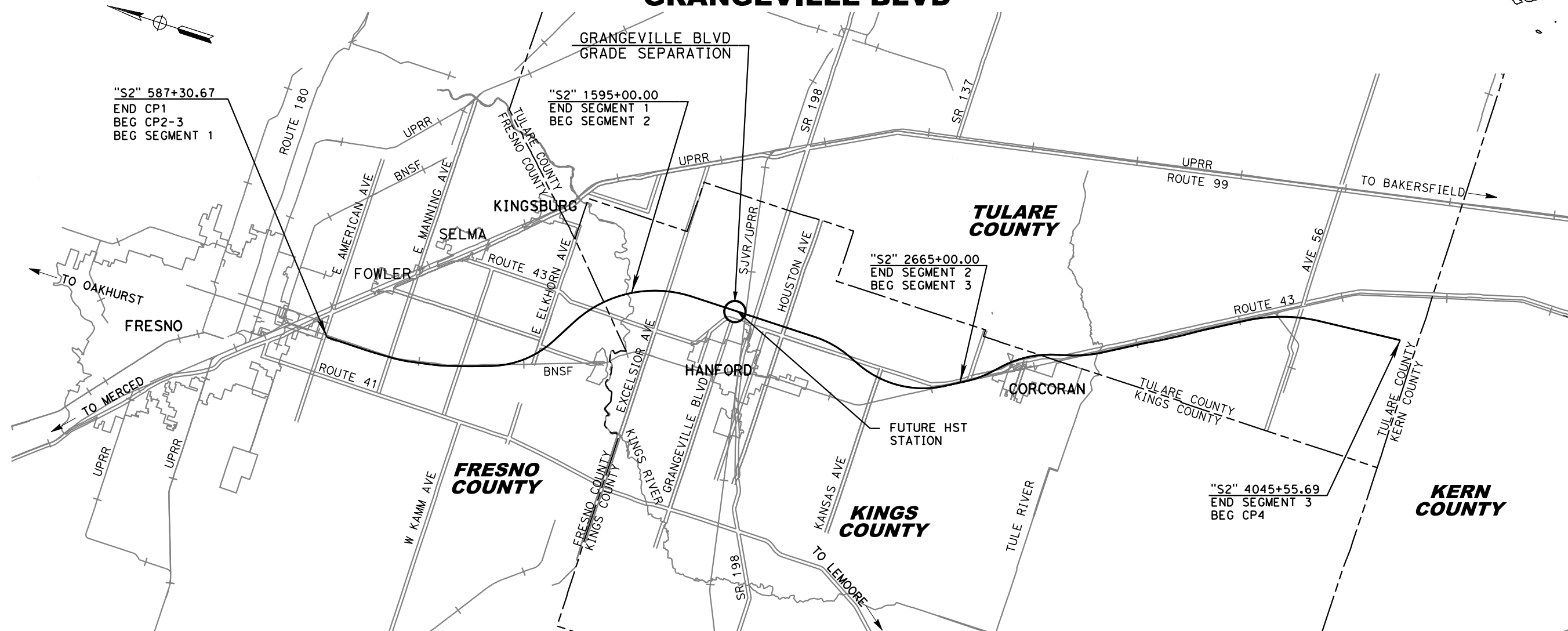
1775 Park Street Suite 75

Selma, CA 93662



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

RFC SUBMITTAL
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SIERRA SUBDIVISION
SEGMENT 2 / CONSTRUCTION PACKAGE 2-3
CIVIL ROADWAY
GRANGEVILLE BLVD



1/11/2018



Know what's below.
Call before you dig.

PROJECT LOCATION MAP



CONTRACT No. **HSR13-57**

DATE: 01/11/2018

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EXHIBIT B3

Locations Map

Hanford-Armona Road

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

EXHIBIT B4

Locations Map

Houston Avenue

Dragados Flatiron Joint Venture

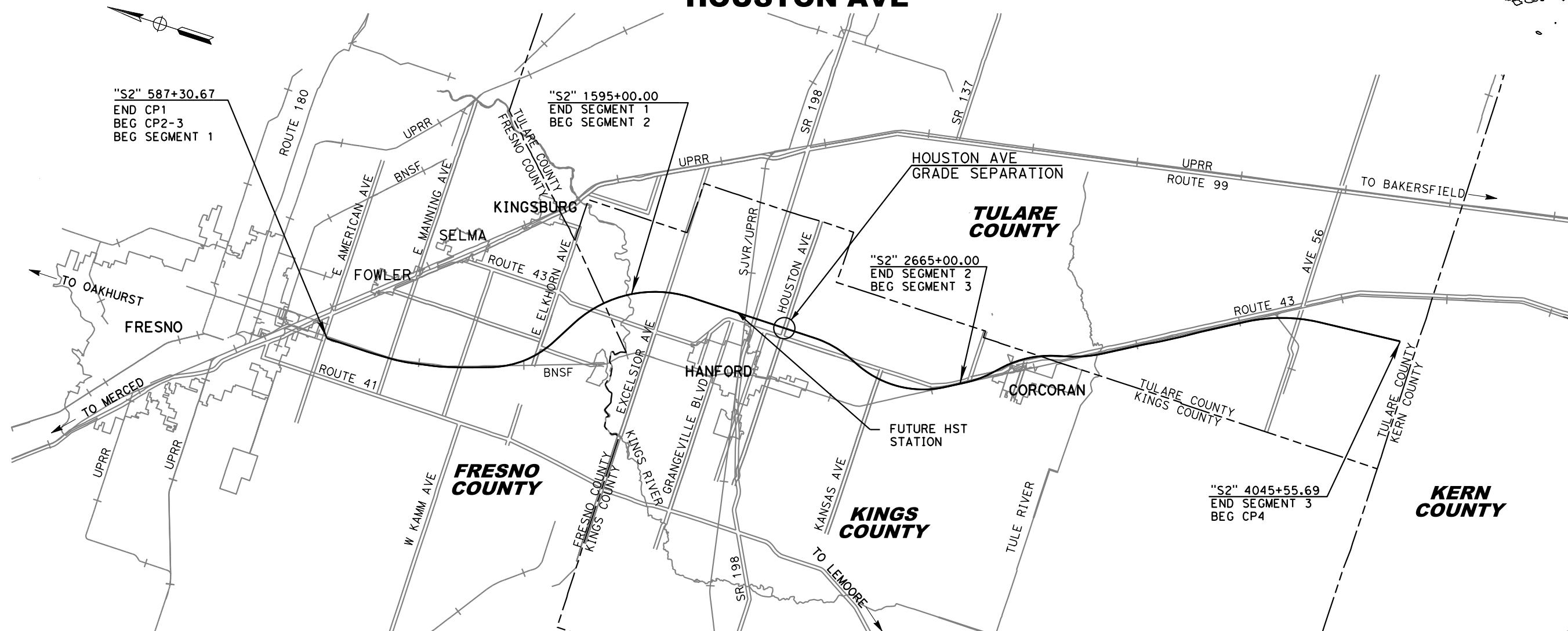
1775 Park Street Suite 75

Selma, CA 93662



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

RFC SUBMITTAL
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SIERRA SUBDIVISION
SEGMENT 2 / CONSTRUCTION PACKAGE 2-3
CIVIL ROADWAY
HOUSTON AVE



Know what's below.
Call before you dig.

PROJECT LOCATION MAP



CONTRACT No. **HSR13-57**

DATE: 10/25/2017

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EXHIBIT B5

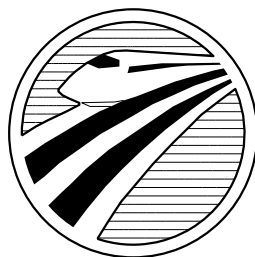
Locations Map

Idaho Avenue

Dragados Flatiron Joint Venture

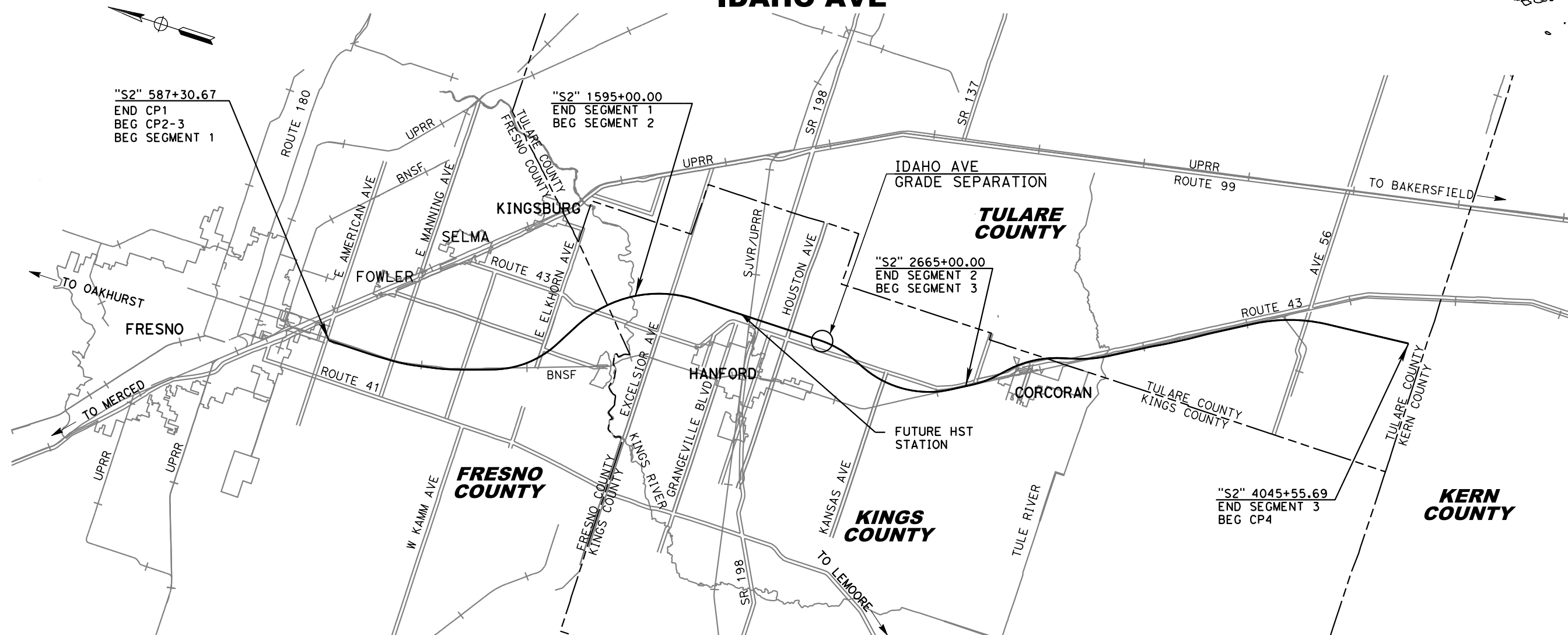
1775 Park Street Suite 75

Selma, CA 93662



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

RFC SUBMITTAL
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SIERRA SUBDIVISION
SEGMENT 2 / CONSTRUCTION PACKAGE 2-3
CIVIL ROADWAY
IDAHO AVE



12/14/2017



Know what's below.
Call before you dig.

PROJECT LOCATION MAP



CONTRACT No. **HSR13-57**

DATE: 12/15/2017

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EXHIBIT B6

Locations Map

Jackson Avenue

Dragados Flatiron Joint Venture

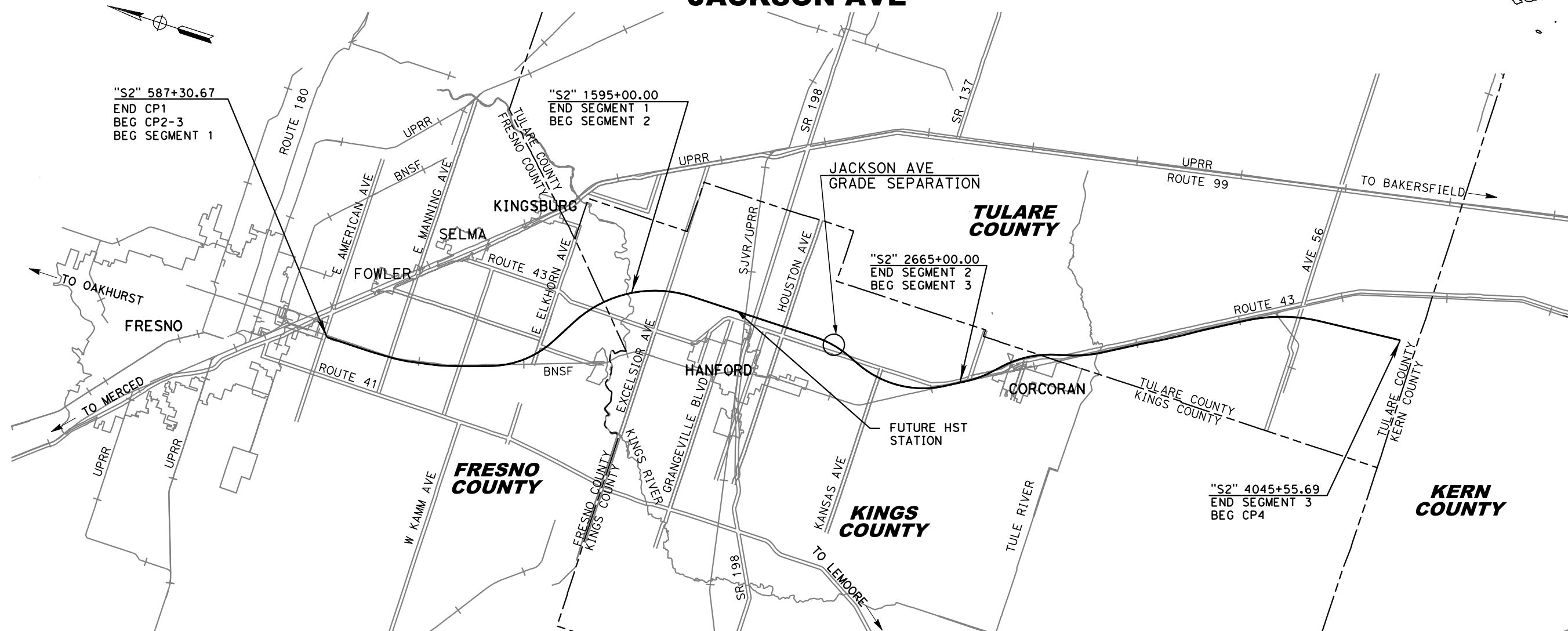
1775 Park Street Suite 75

Selma, CA 93662



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

RFC SUBMITTAL
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SIERRA SUBDIVISION
SEGMENT 2 / CONSTRUCTION PACKAGE 2-3
CIVIL ROADWAY
JACKSON AVE



12/14/2017



Know what's below.
Call before you dig.

PROJECT LOCATION MAP



CONTRACT No. **HSR13-57**

DATE: 12/15/2017

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EXHIBIT C1

Vicinity Map

Dover Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

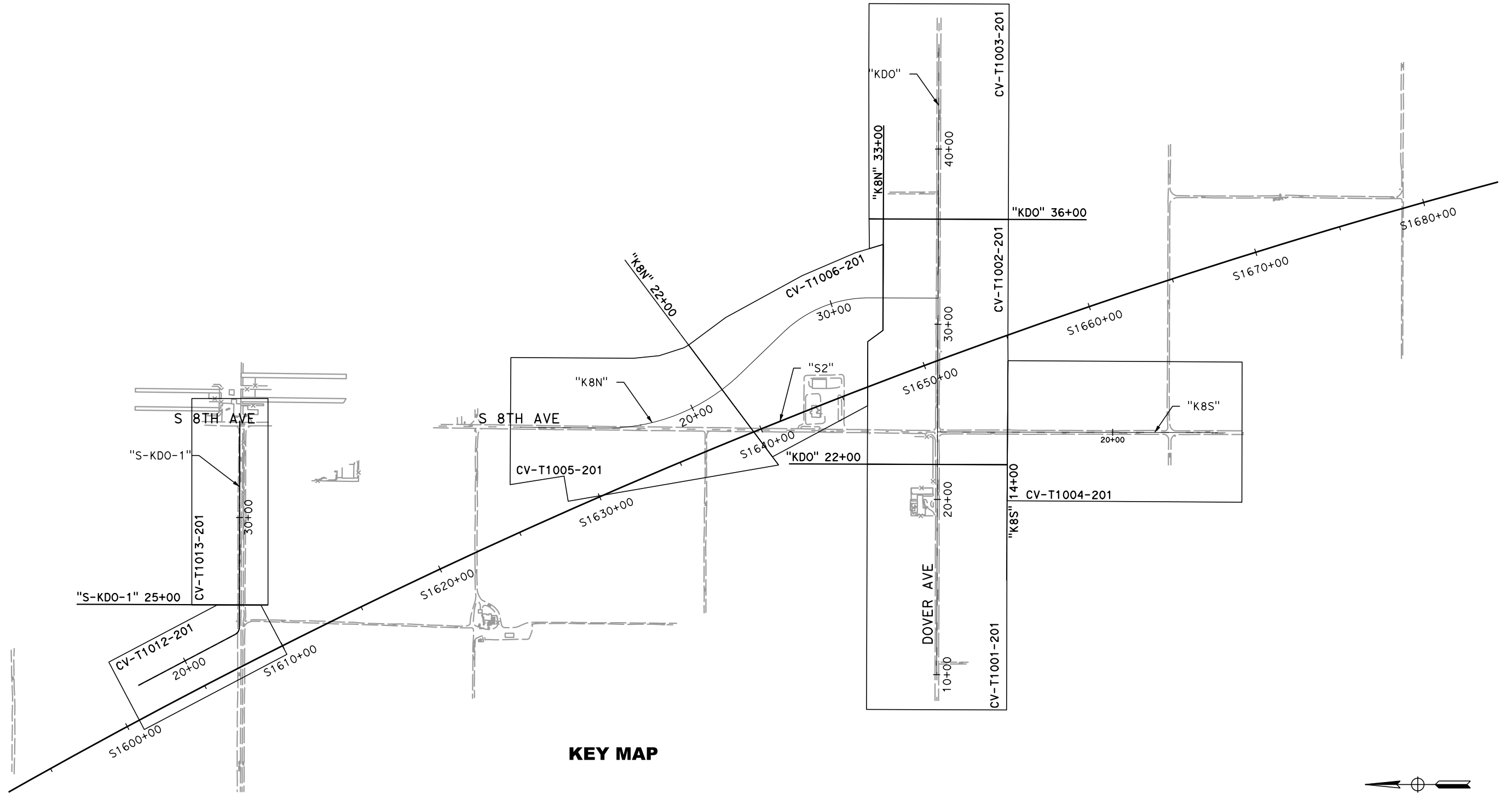
Selma, CA 93662

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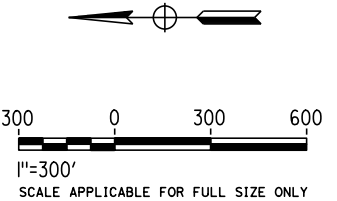
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KEY MAP



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
N. POLICHETTI
DRAWN BY
N. POLICHETTI
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
01/26/2018



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
KEY MAP
DOVER AVE

CONTRACT NO.
HSR 13-57
DRAWING NO.
CV-B0102-201
SCALE
AS SHOWN
SHEET NO.
OF

EXHIBIT C2

Vicinity Map

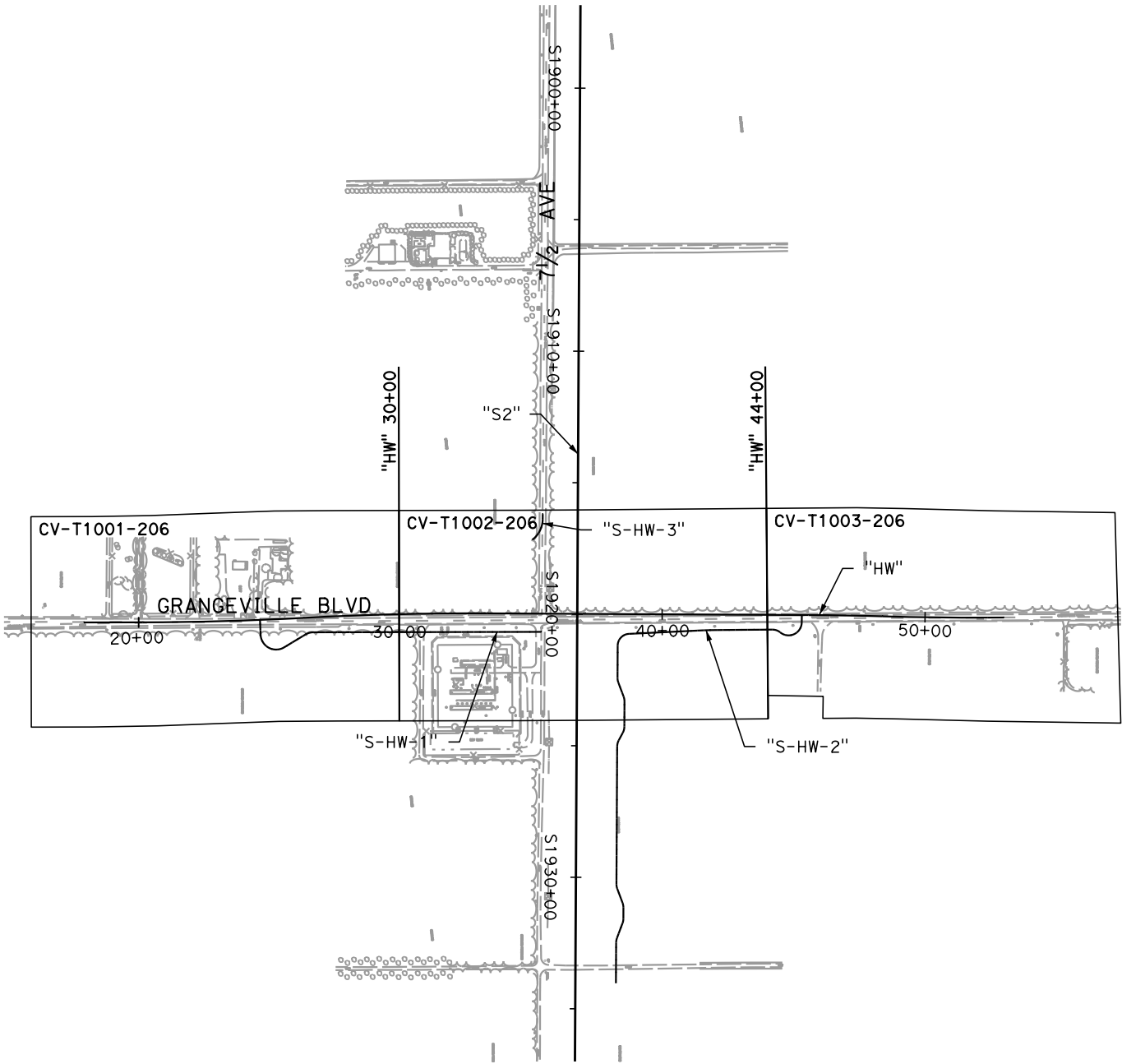
Grangeville Boulevard

Dragados Flatiron Joint Venture

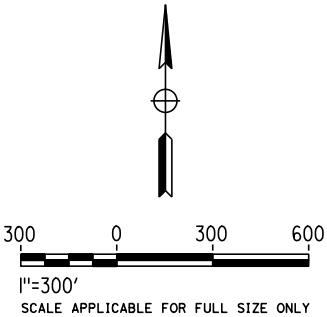
1775 Park Street Suite 75

Selma, CA 93662

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1/9/2018 2:43:05 PM
DC1APP23\$



KEY MAP



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY N. POLICETTI
DRAWN BY P. QUACH
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/29/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
KEY MAP
GRANGEVILLE BLVD

CONTRACT NO. HSR 13-57
DRAWING NO. CV-B0103-206
SCALE AS SHOWN
SHEET NO. OF

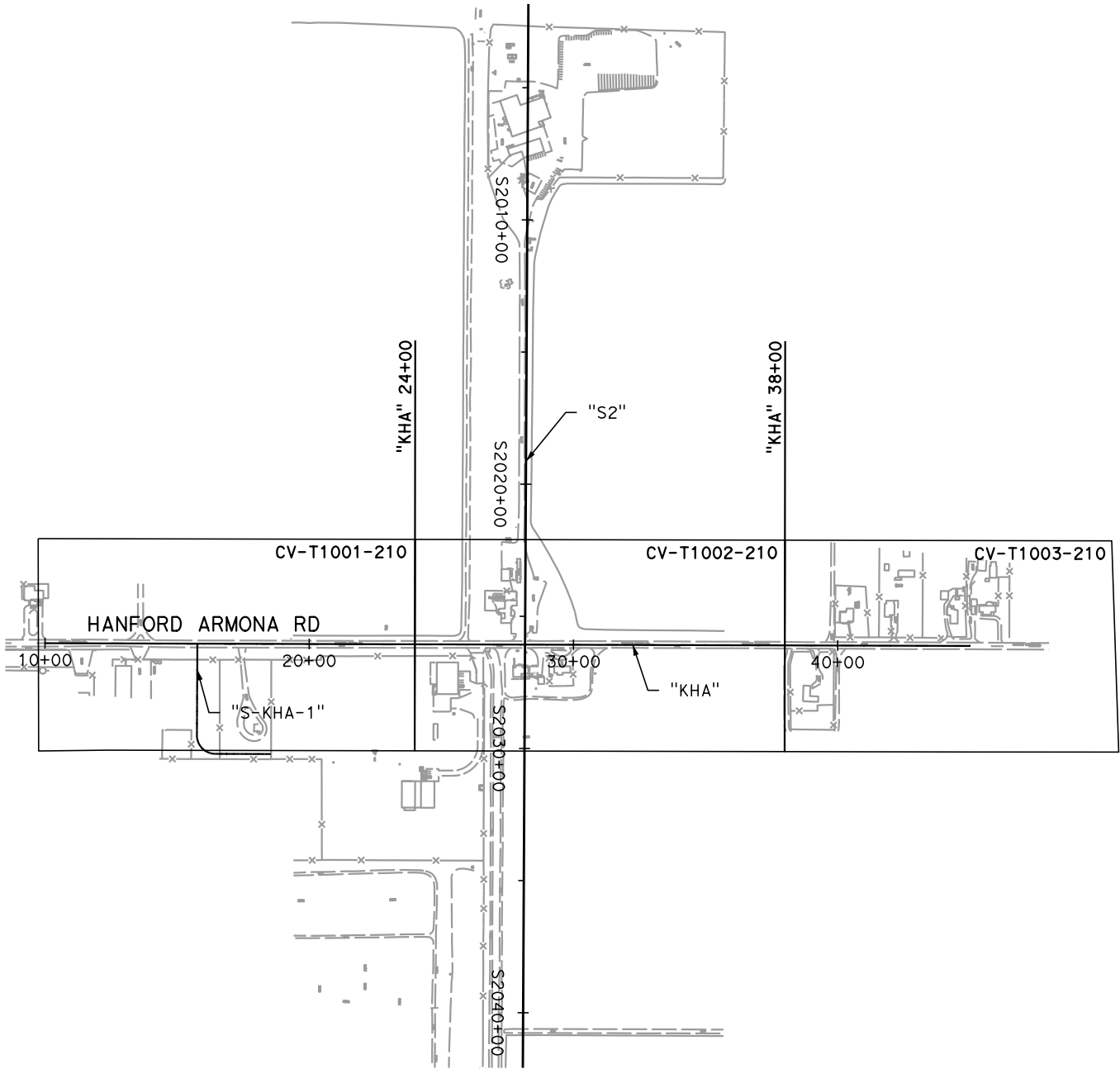
EXHIBIT C3

Vicinity Map

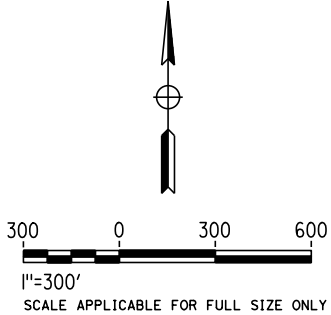
Hanford-Armona Road

**Dragados Flatiron Joint Venture
1775 Park Street Suite 75
Selma, CA 93662**

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KEY MAP



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. VU
DRAWN BY P. QUACH
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/01/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3

ROADWAY SEGMENT 2
KEY MAP
HANFORD ARMONA RD

CONTRACT NO. HSR 13-57
DRAWING NO. CV-B0102-210
SCALE AS SHOWN
SHEET NO. OF

EXHIBIT C4

Vicinity Map

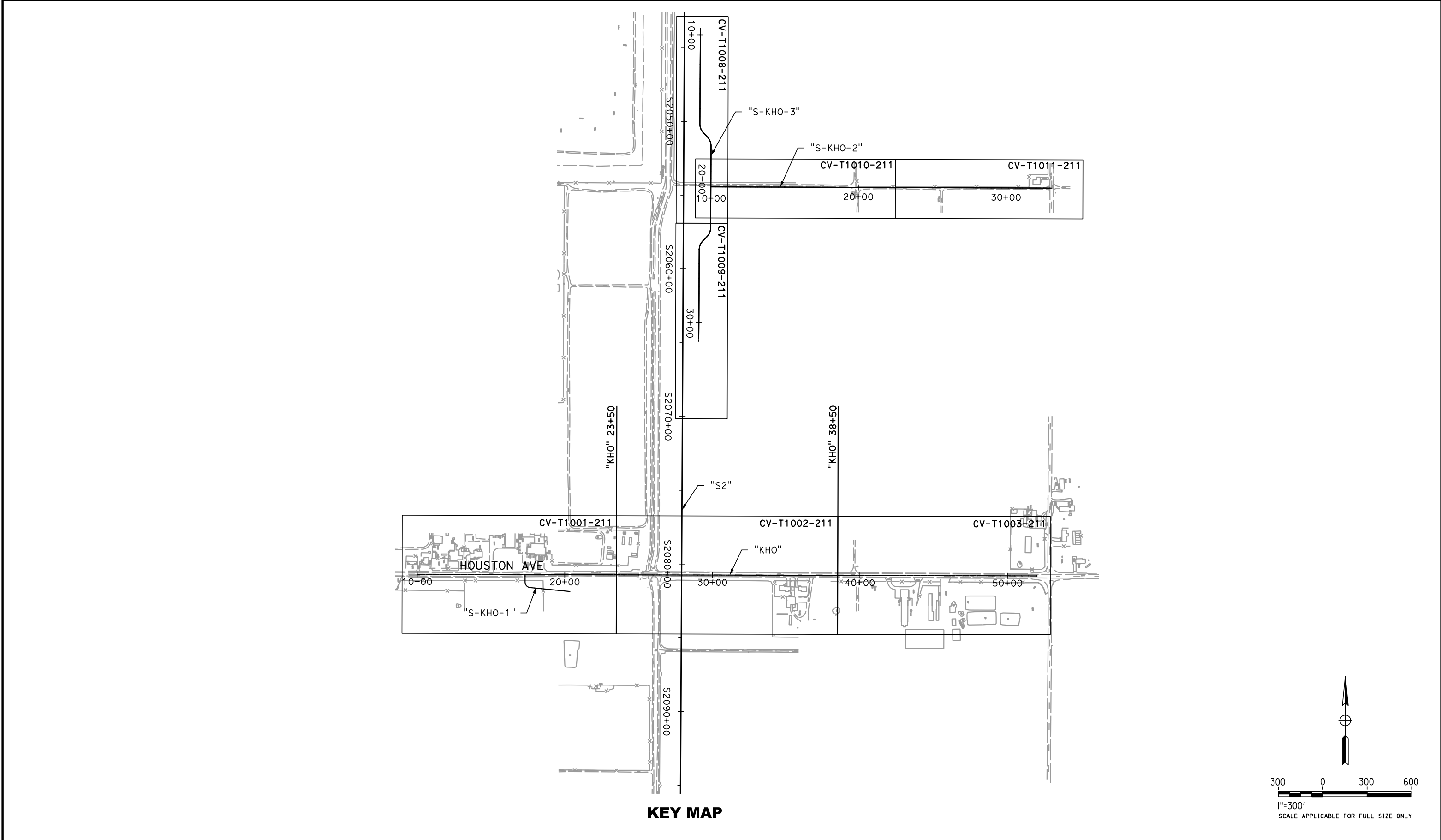
Houston Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

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EXHIBIT C5

Vicinity Map

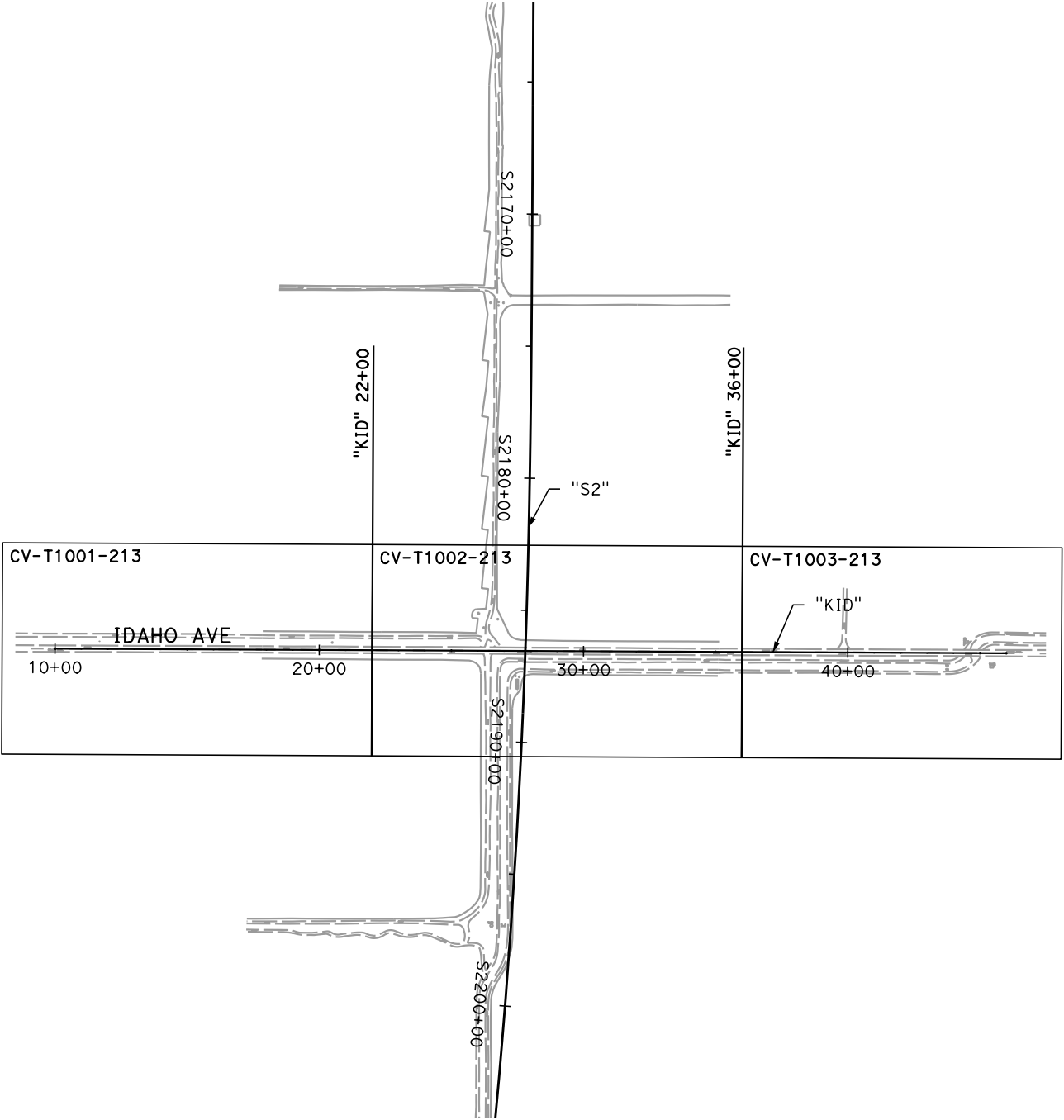
Idaho Avenue

Dragados Flatiron Joint Venture

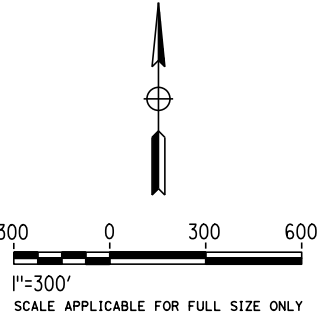
1775 Park Street Suite 75

Selma, CA 93662

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CAHSRP_REF.tbl
12/8/2017 8:43:05 AM
DC1APP23\$



KEY MAP



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. VU
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/15/2017



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**
ROADWAY SEGMENT 2
KEY MAP
IDAHO AVE

CONTRACT NO. HSR 13-57
DRAWING NO. CV-B0102-213
SCALE AS SHOWN
SHEET NO. OF

EXHIBIT C6

Vicinity Map

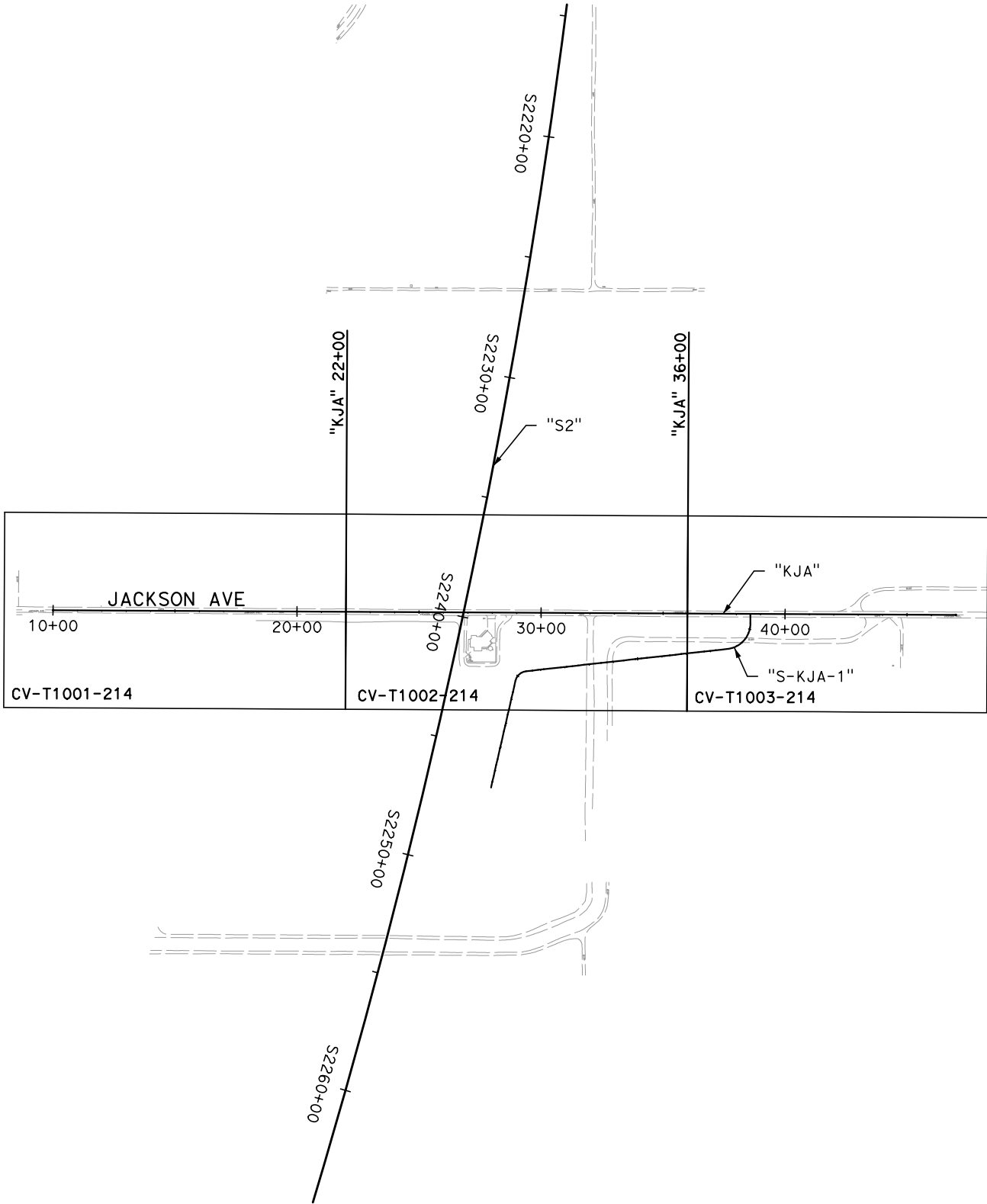
Jackson Avenue

Dragados Flatiron Joint Venture

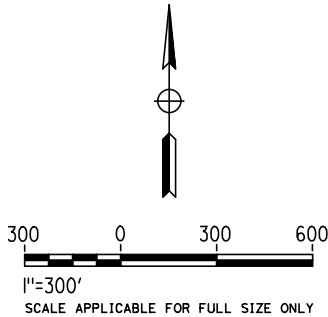
1775 Park Street Suite 75

Selma, CA 93662

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KEY MAP



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
N. POLICHETTI
DRAWN BY
N. POLICHETTI
CHECKED BY
J. BRANCH
IN CHARGE
J. MENG
DATE
12/15/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
KEY MAP
JACKSON AVE

CONTRACT NO. HSR 13-57
DRAWING NO. CV-B0102-214
SCALE AS SHOWN
SHEET NO. OF

EXHIBIT D1

Overhead Structural Drawings

Dover Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

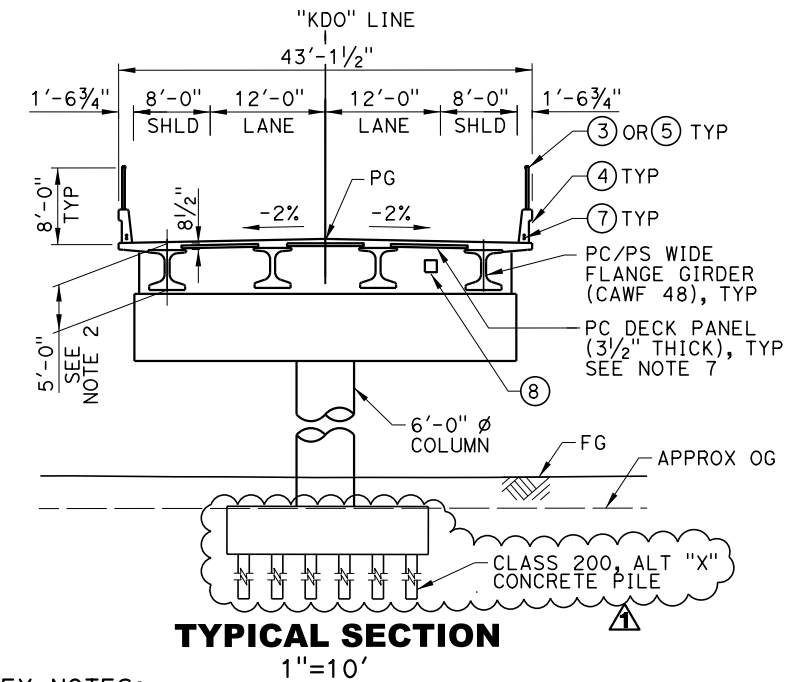
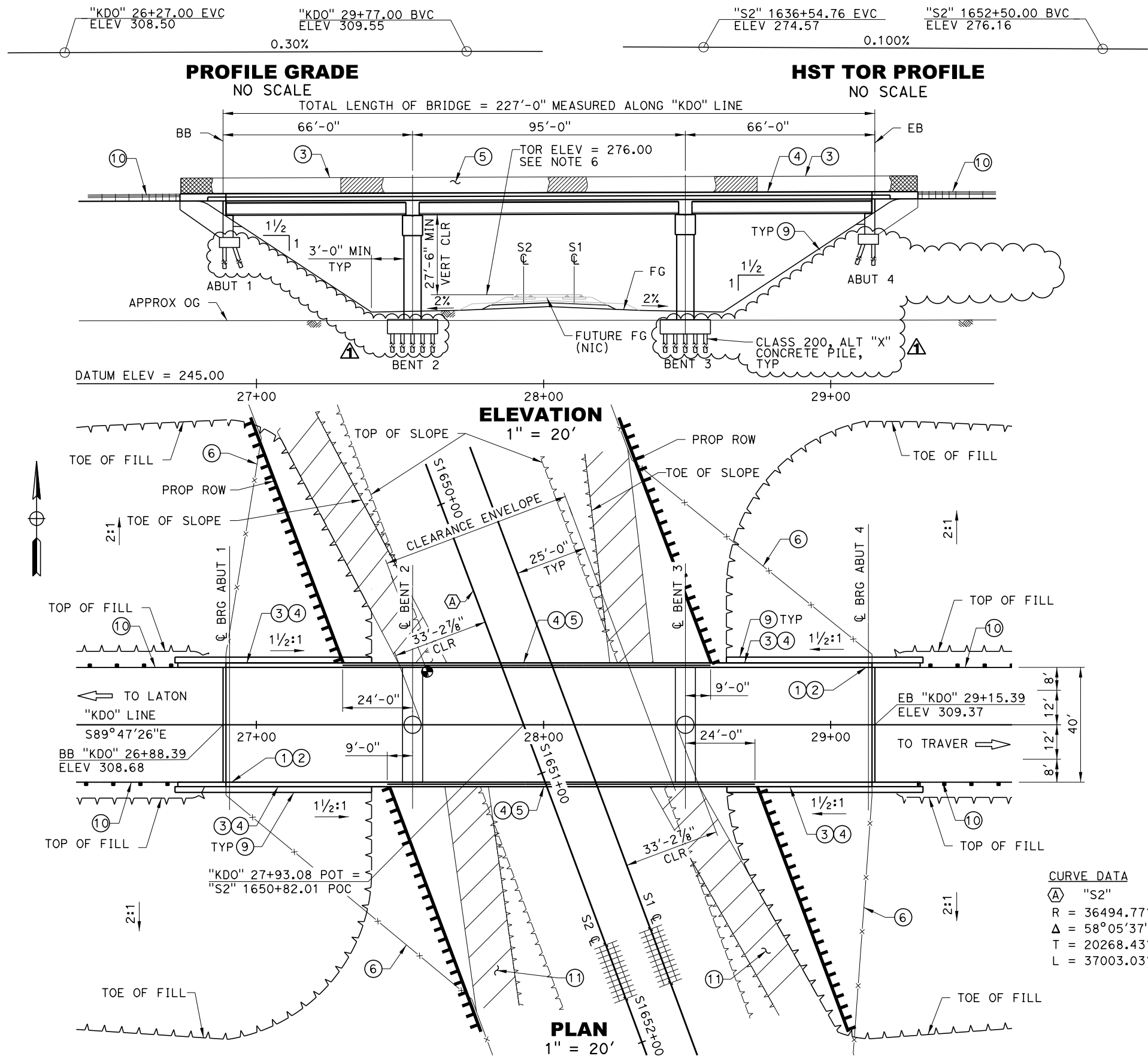
Selma, CA 93662

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CAHSR_REC_SIGNED.tbl iplofdrvm.plt

5/6/2019 10:26:24 PM

USLASO-APP064\$



- KEY NOTES:**
- ① PAINT "DOVER AVENUE OVERHEAD"
 - ② PAINT "BRIDGE NUMBER S-OH-217.8"
 - ③ CHAIN LINK RAILING TYPE 7 (MOD)
 - ④ CONCRETE BARRIER TYPE 742
 - ⑤ SOLID BARRIER
 - ⑥ AR FENCE, SEE "TRACK PLANS". 8' WELDED WIRE MESH FENCE
 - ⑦ 2-2" Ø CONDUITS FOR FUTURE UTILITY
 - ⑧ 1'-3"W x 1'-3"H OPENING WITH 4-4" CONDUITS (FUTURE UTILITY)
 - ⑨ SLOPE PAVING
 - ⑩ MIDWEST GUARDRAIL SYSTEM, SEE "ROADWAY PLANS"
 - ⑪ MAINTENANCE ACCESS, 15'-0" MINIMUM WIDTH

- NOTES:**
- 1. FOR UTILITY INFORMATION, SEE "COMPOSITE UTILITY PLANS"
 - 2. STRUCTURE DEPTH VARIES AND IS MEASURED AT THE END OF GIRDER. THE MINIMUM STRUCTURE DEPTH SHALL NOT BE LESS THAN 4'-10" ALONG THE GIRDER CENTERLINE
 - 3. FOR GROUNDING AND BONDING, SEE "GROUNDING AND BONDING DETAILS NO. 1 & NO. 2" SHEETS
 - 4. SEE "TRACK PLANS" FOR MAINTENANCE ACCESS GRADING WITHIN HSR ROW
 - 5. FOR LIMITS OF ANTI-GRAFFITI COATING, SEE "LIMITS OF ANTI-GRAFFITI COATING" SHEET
 - 6. TOR ELEVATION AT INTERSECTION OF "KDO" LINE AND "S2" CL
 - 7. CAST-IN-PLACE DECK OPTION MAY BE USED PER "DECK REINFORCEMENT DETAILS NO. 1". STAY-IN-PLACE METAL FORMS ARE NOT PERMITTED

LEGEND:

- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- ➡ INDICATES DIRECTION OF TRAFFIC

FID: S-OH-217.8

REV	DATE	BY	CHK	APP	DESCRIPTION
1	4/30/19	DH	JW	RT	NDC 093 - REVISED FOUNDATION

DESIGNED BY
D. WANG
DRAWN BY
N. MORALES
CHECKED BY
D. GUEST
IN CHARGE
R. TREVETT
DATE
8/28/2018



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

DOVER AVENUE OVERHEAD
GENERAL PLAN

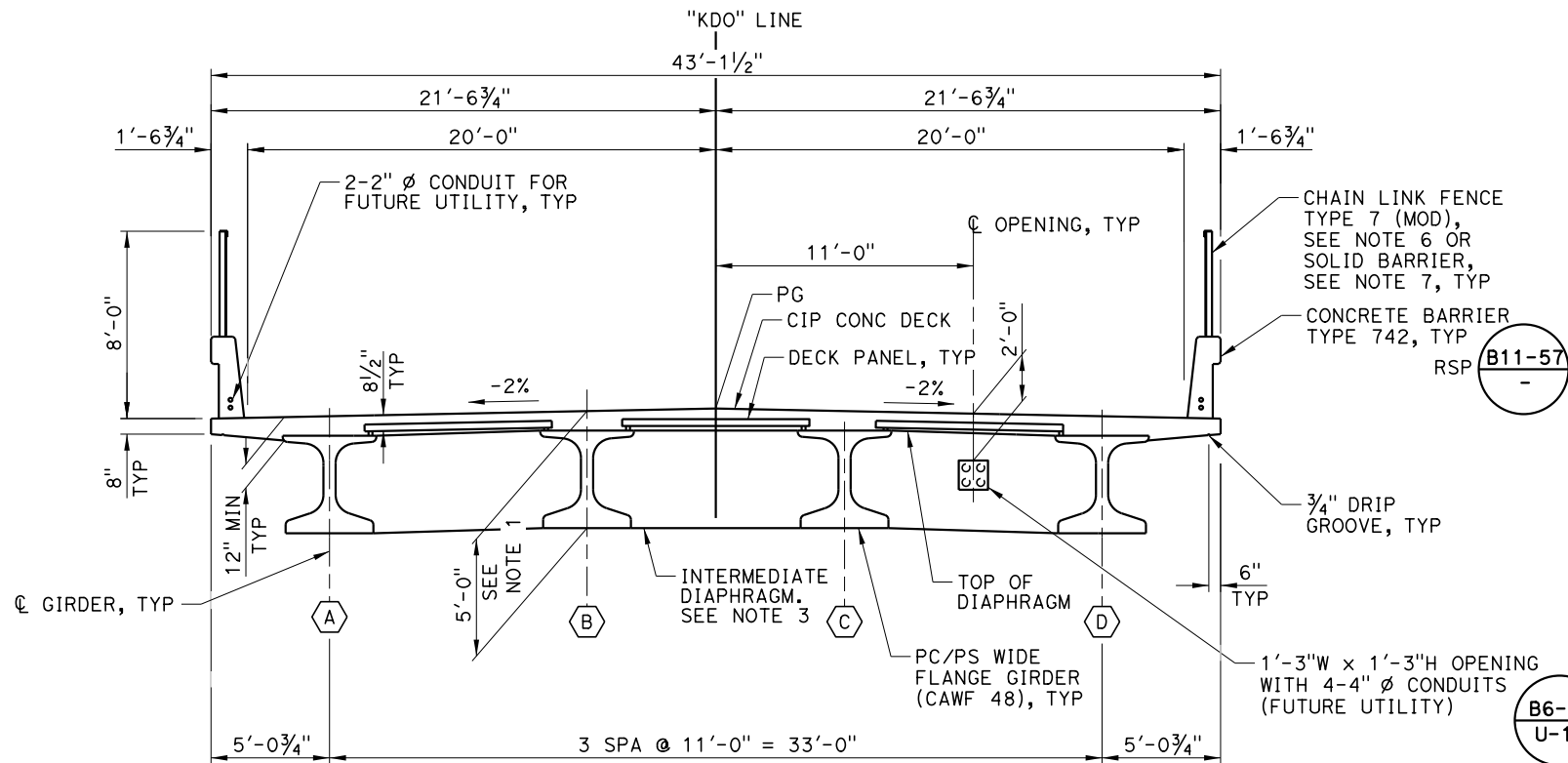
CONTRACT NO. HSR 13-57
DRAWING NO. ST-K1100-213
SCALE AS SHOWN
SHEET NO. OF

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TYPICAL SECTION

1/4" = 1'-0"

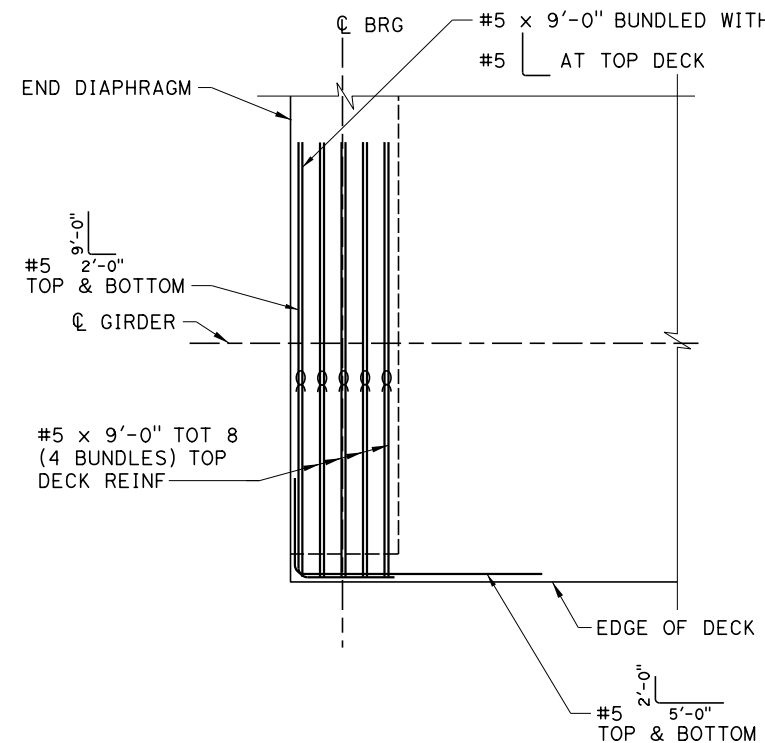
NOTE: PC STAY-IN-PLACE DECK PANEL OPTION IS SHOWN, CAST-IN-PLACE DECK OPTION IS SIMILAR

NOTES:

1. STRUCTURE DEPTH VARIES AND IS MEASURED AT END OF GIRDER. THE MINIMUM SUPERSTRUCTURE DEPTH SHALL NOT BE LESS THAN 4'-10" ALONG THE GIRDER CENTERLINE
2. FOR PRECAST DECK PANELS, SEE "DECK PANEL DETAILS NO. 1, NO. 2 AND NO. 3" SHEETS
3. FOR INTERMEDIATE DIAPHRAGM, SEE "INTERMEDIATE DIAPHRAGM TYPE 2 DETAILS" SHEET
4. FOR TYPICAL DECK REINFORCEMENT AND DIMENSIONS, SEE "DECK REINFORCEMENT DETAILS NO. 1" SHEET
5. FOR ADDITIONAL DECK REINFORCEMENT, SEE "ADDITIONAL DECK REINFORCEMENT" SHEET
6. FOR CHAIN LINK RAILING DETAIL, SEE "CHAIN LINK RAILING TYPE 7 (MOD)" SHEET
7. FOR SOLID BARRIER DETAILS, SEE "SOLID BARRIER DETAILS NO. 1 AND NO. 2" SHEETS

LEGEND:

- ⊗ GIRDER IDENTIFICATION LETTER
- ∞ INDICATES BUNDLED BARS



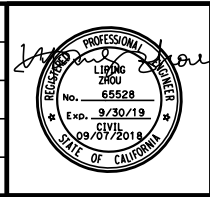
DECK CORNER ADDITIONAL REINFORCEMENT

1/2" = 1'-0"

FID: S-OH-217.8

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. WANG
DRAWN BY N. MORALES
CHECKED BY D. GUEST
IN CHARGE R. TREVETT
DATE 8/28/2018



CALIFORNIA HIGH-SPEED TRAIN PROJECT FB - CONSTRUCTION PACKAGE 2-3		CONTRACT NO. HSR 13-57
DOVER AVENUE OVERHEAD TYPICAL SECTION		DRAWING NO. ST-K5300-213
		SCALE AS SHOWN
		SHEET NO. OF

EXHIBIT D2

Overhead Structural Drawings

Grangeville Boulevard

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

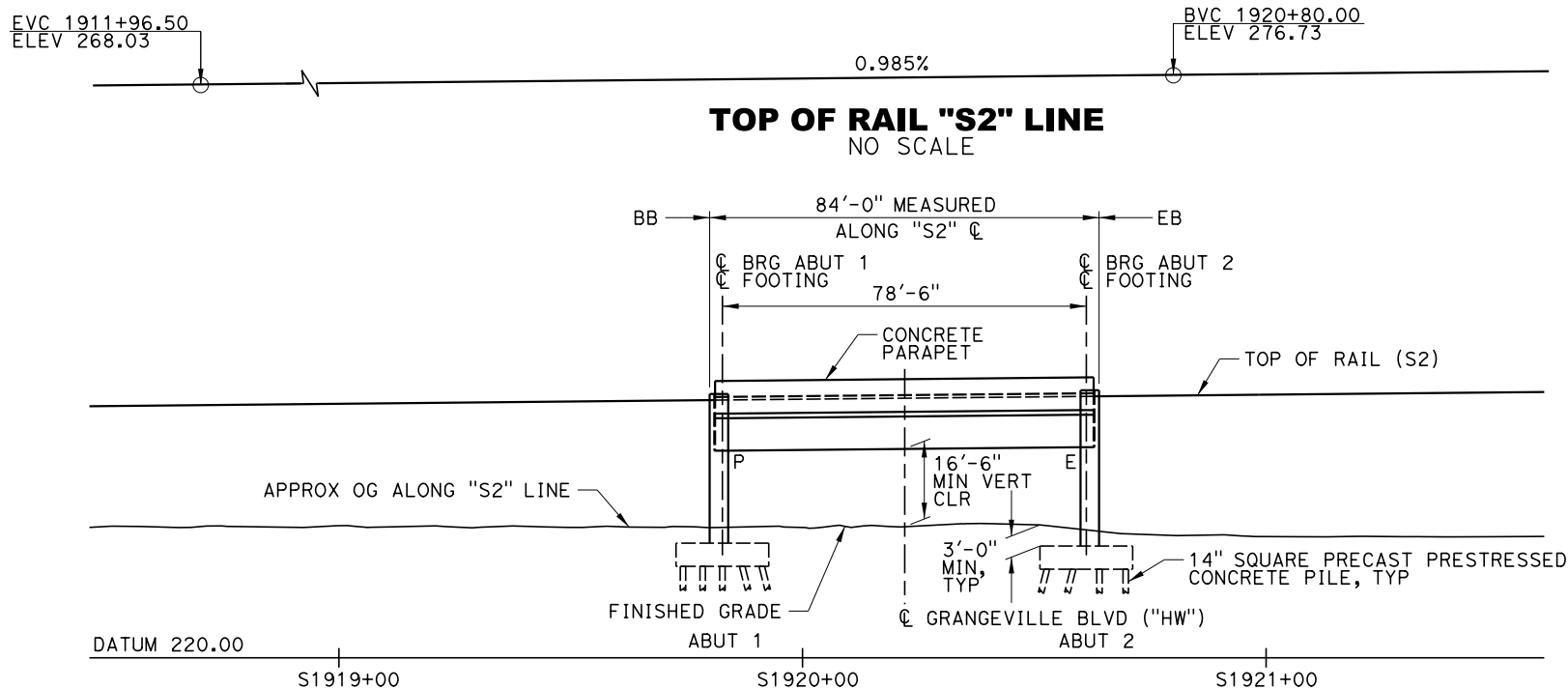
Selma, CA 93662

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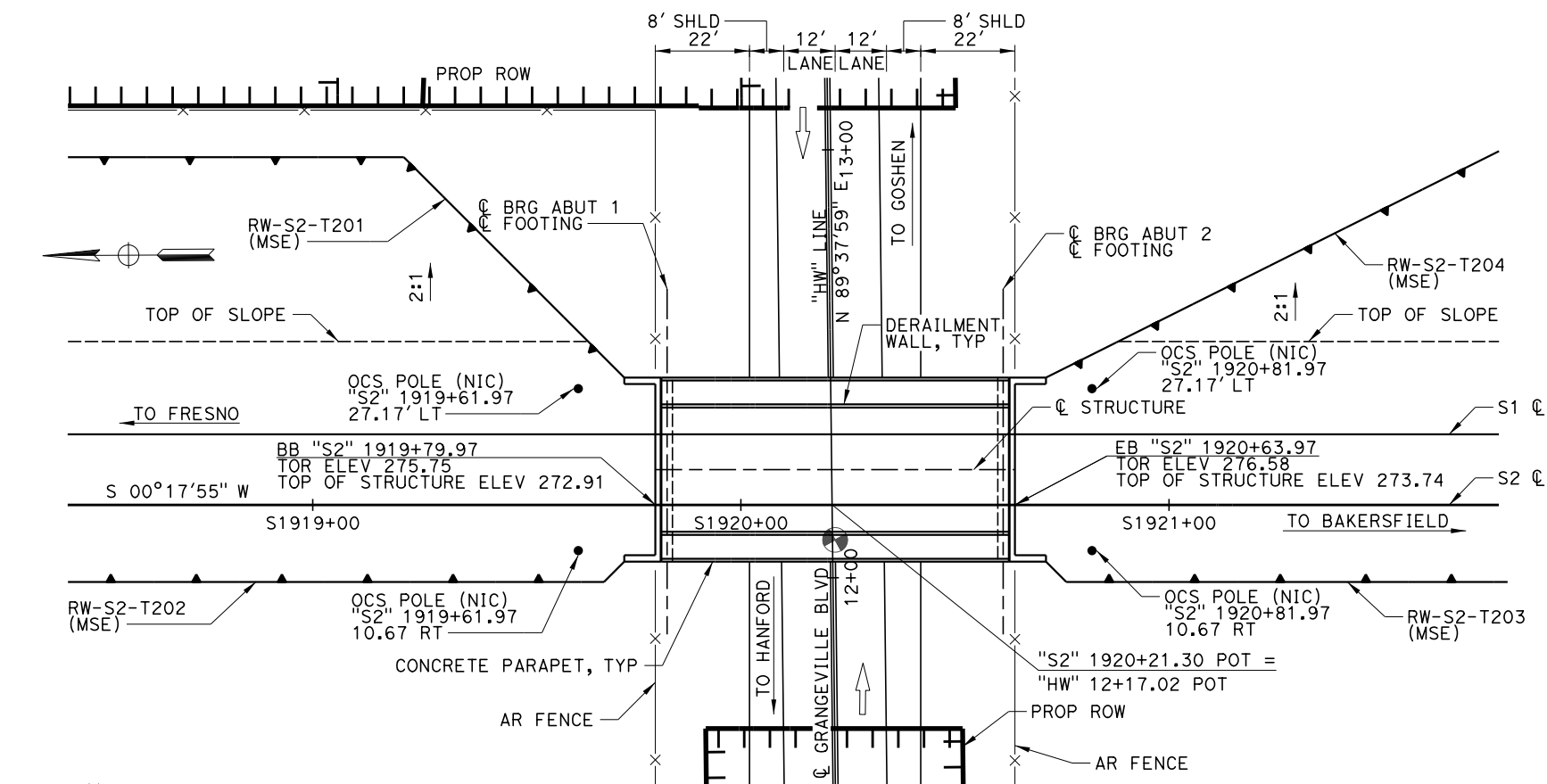
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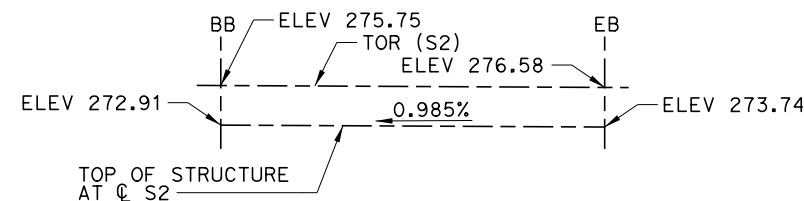
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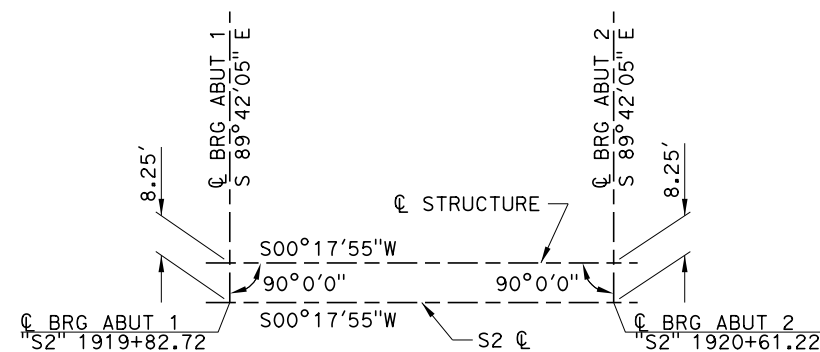
ELEVATION
SCALE: 1"=20'



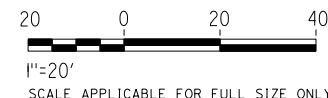
PLAN
SCALE: 1"=20'



BRIDGE GEOMETRICS (PROJECTED ELEVATION)
NO SCALE



BRIDGE GEOMETRICS (PLAN)
NO SCALE



NOTES:

1. FOR TYPICAL SECTIONS, SEE GENERAL PLAN AND ELEVATION SHEETS ST-J1003-GNV AND ST-J1004-GNV.
2. FOR UTILITY INFORMATION, SEE COMPOSITE UTILITY PLANS.
3. GRAFFITI COATING TO BE 10'-0" MINIMUM UP FROM FINISHED GRADE ON FRONT FACE OF ABUTMENT MEASURED FROM THE GROUND SURFACE.
4. FOR RETAINING WALL LAYOUT, SEE GRANGEVILLE BLVD CIVIL ROADWAY.
5. FOR RETAINING WALL DETAILS, SEE GENERAL PACKAGE PART 3 - RETAINING WALLS.

LEGEND:

- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- ➔ INDICATES DIRECTION OF TRAFFIC
- BB BEGIN BRIDGE
- EB END BRIDGE
- E CONNECTION IS FREE TO MOVE LONGITUDINALLY
- P CONNECTION IS PINNED LONGITUDINALLY

FID: S-UP-222.9

REV	DATE	BY	CHK	APP	DESCRIPTION
1	02/21/20	ML	TH	RT	NDC 137 - REVISED ABUTMENTS

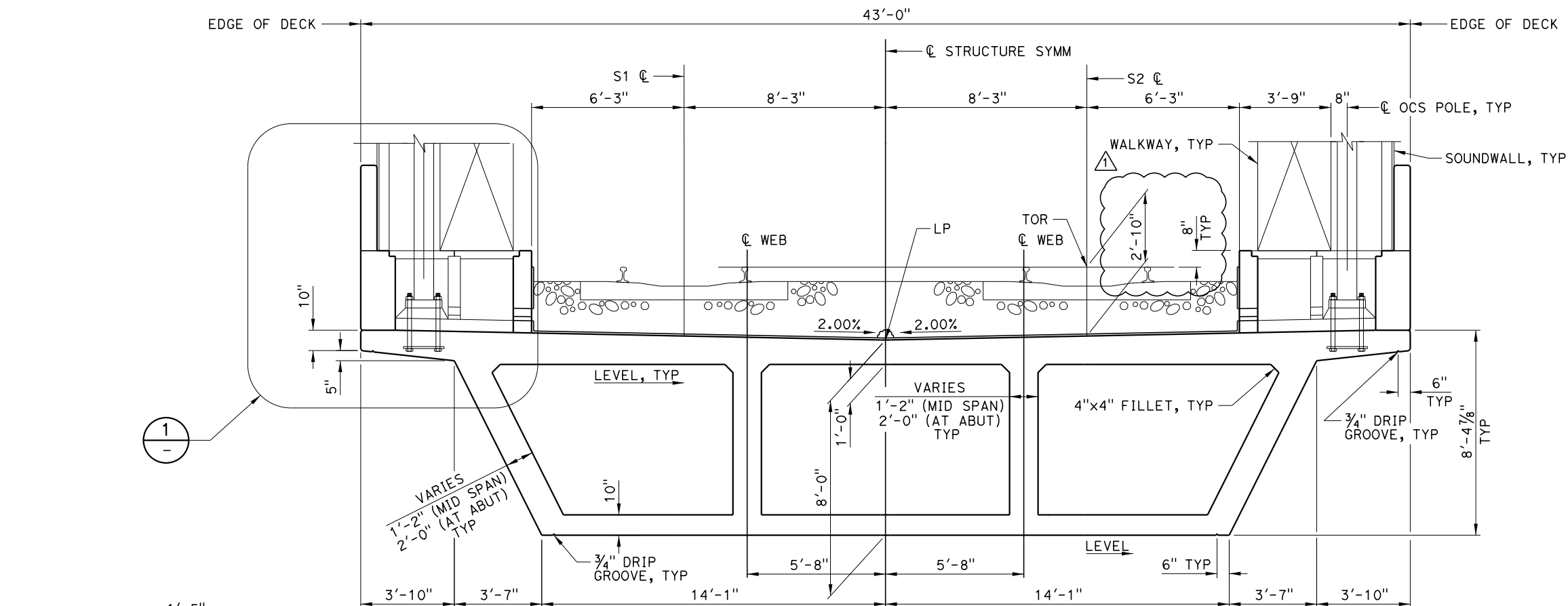
DESIGNED BY M. LEWIS
DRAWN BY M. SPURGEON
CHECKED BY A. HANDEGARD
IN CHARGE R. TREVETT
DATE 02/21/20



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

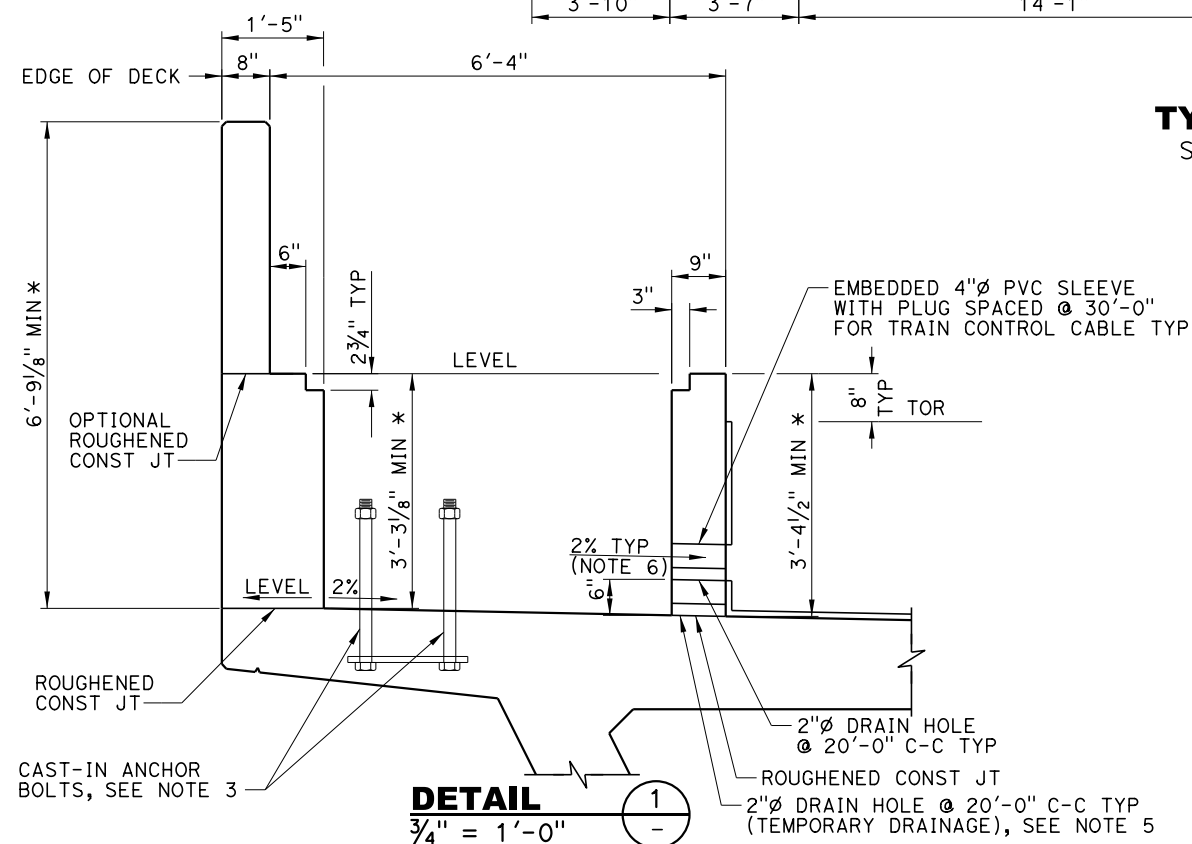
SEGMENT 2
GRANGEVILLE BLVD UNDERPASS
GENERAL PLAN AND ELEVATION
SHEET 1 OF 3

CONTRACT NO. HSR 13-57
DRAWING NO. ST-J1002-GNV
SCALE AS SHOWN
SHEET NO. 5 OF 47



TYPICAL SECTION

SCALE: $\frac{3}{8}" = 1'-0"$



* DIMENSION VARIES TO MAINTAIN
CONSTANT OFFSET TO TOR

NOTES:

1. POST-TENSIONING ANCHORS AND TENDONS NOT SHOWN. SEE POST-TENSIONING LAYOUT SHEETS FOR DETAILS.
2. THE FOLLOWING ITEMS ARE SHOWN FOR ILLUSTRATION PURPOSES ONLY AND ARE NOT INCLUDED IN THE CONTRACT:
 - A. OCS POLES, BASE PLATES AND GROUT PADS, WATERPROOFING, CORRUGATED DRAIN PIPE AND BALLASTED RAIL SYSTEM.
 - B. CABLE TROUGH PRE-CAST COVERS, INTERMEDIATE WALLS, SOUNDWALLS AND BASE SLABS.
3. SEE SHEET ST-J5017-GNV FOR OCS POLE CONNECTION DETAILS.
4. A MINIMUM SPACING OF 2'-0" BETWEEN PENETRATIONS THROUGH THE CABLE TROUGH WALL (2" DRAIN HOLES AND 4" PVC SLEEVES, INCLUSIVE) SHALL BE MAINTAINED.
5. FILL HOLE WITH GROUT PRIOR TO CASTING 6" TROUGH BOTTOM SLAB.
6. ALL PENETRATIONS THROUGH THE CABLE TROUGH WALL (2" DRAIN HOLES AND 4" PVC SLEEVES, INCLUSIVE) SHALL BE PLACED WITH A 2% SLOPE TO ALLOW DRAINAGE TO VACATE THE CABLE TROUGH AND PREVENT MOISTURE ACCUMULATION.

FID: S-UP-222.9

1	02/21/20	ML	TH	RT	NDC 137 - REVISED ABUTMENTS
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	M. LEWIS
DRAWN BY	M. SPURGEON
CHECKED BY	A. HANDEGARD
IN CHARGE	R. TREVETT
DATE	02/21/20

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

SEGMENT 2
GRANGEVILLE BLVD UNDERPASS
GIRDER SECTION

CONTRACT NO.	HSR 13-57
DRAWING NO.	ST-J5008-GNV
SCALE	AS SHOWN
SHEET NO.	17 OF 47

EXHIBIT D3

Overhead Structural Drawings

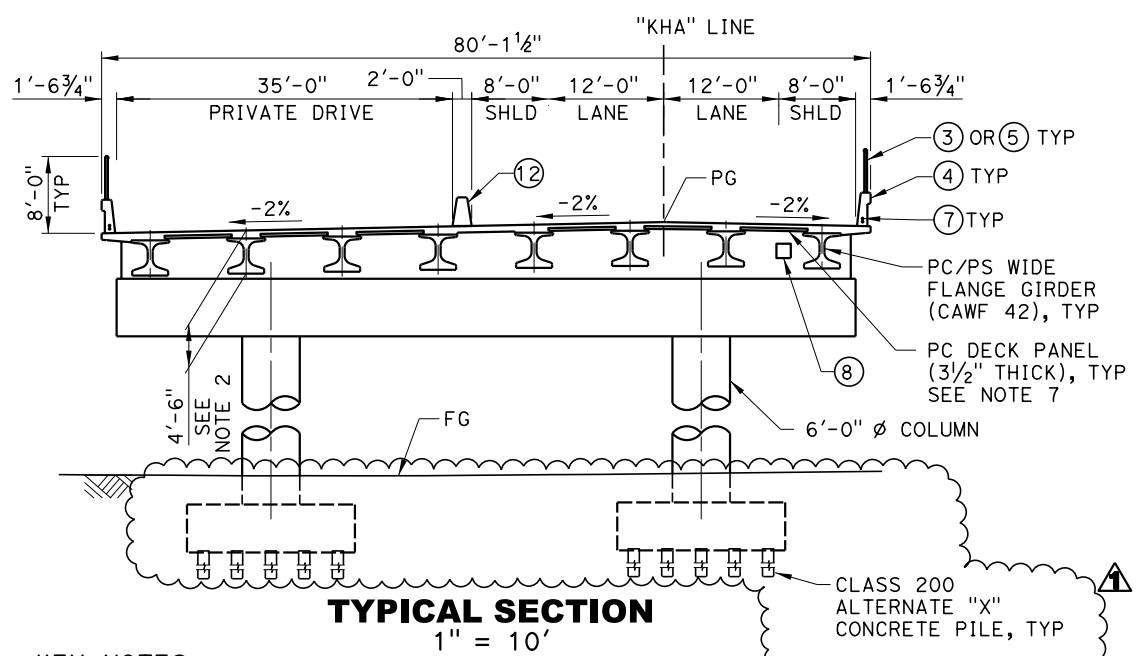
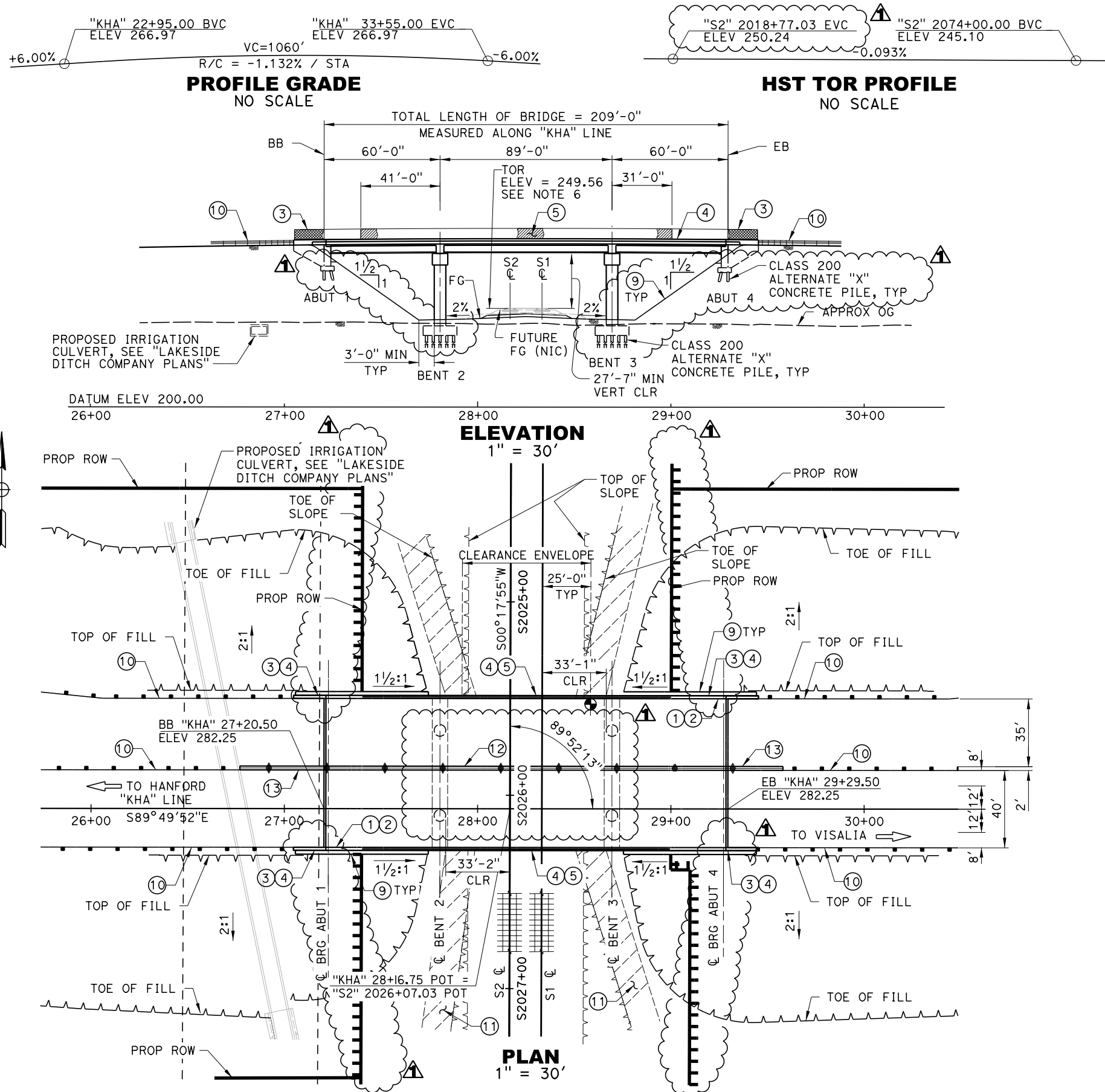
Hanford-Armona Road

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

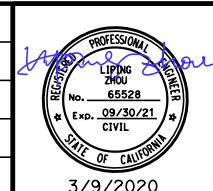
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3/9/2020 2:48:32 PM
USL450-APP064\$
CAHSR_REF_SIGNED.tbl
iplotdrv-m.plt



- KEY NOTES:**
- ① PAINT "HANFORD ARMONA ROAD OVERHEAD"
 - ② PAINT "BRIDGE NUMBER S-OH-224.9"
 - ③ CHAIN LINK RAILING TYPE 7 (MOD)
 - ④ CONCRETE BARRIER TYPE 742
 - ⑤ SOLID BARRIER
 - ⑦ 2-2" Ø CONDUITS FOR FUTURE UTILITY
 - ⑧ FUTURE UTILITY OPENING
 - ⑨ SLOPE PAVING
 - ⑩ MIDWEST GUARDRAIL SYSTEM, SEE "ROADWAY PLANS"
 - ⑪ MAINTENANCE ACCESS, 15'-0" MINIMUM WIDTH
 - ⑫ CONCRETE BARRIER TYPE 60A
 - ⑬ CONCRETE BARRIER TYPE 60
- NOTES:**
- 1. FOR UTILITY INFORMATION, SEE "COMPOSITE UTILITY PLANS"
 - 2. STRUCTURE DEPTH VARIES AND IS MEASURED AT THE END OF GIRDER. THE MINIMUM STRUCTURE DEPTH SHALL NOT BE LESS THAN 4'-4" ALONG THE GIRDER
 - 3. FOR GROUNDING AND BONDING, SEE "GROUNDING AND BONDING DETAILS" AND GENERAL PACKAGE PART 4 "GROUNDING AND BONDING DETAILS NO. 1" SHEETS
 - 4. FOR MAINTENANCE ACCESS GRADING WITHIN HSR ROW, SEE "TRACK PLANS"
 - 5. FOR LIMITS OF ANTI-GRAFFITI COATING, SEE "LIMITS OF ANTI-GRAFFITI COATING" SHEET
 - 6. TOR ELEVATION AT INTERSECTION OF "KHA" LINE AND "S2" CL
 - 7. CAST-IN-PLACE DECK OPTION MAY BE USED PER "DECK REINFORCEMENT DETAILS". STAY-IN-PLACE METAL FORMS ARE NOT PERMITTED
- LEGEND:**
- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
 - ← INDICATES DIRECTION OF TRAFFIC

FID: S-OH-224.9

REV	DATE	BY	CHK	APP	DESCRIPTION
Δ	02/28/20	LH	DG	RT	NDC055 - REVISED FOUNDATION
DESIGNED BY	D. GUEST				
DRAWN BY	N. MORALES				
CHECKED BY	L. ZHOU				
IN CHARGE	R. TREVETT				
DATE	1/25/19				



CALIFORNIA HIGH-SPEED TRAIN PROJECT		CONTRACT NO.	HSR 13-57
FB - CONSTRUCTION PACKAGE 2-3		DRAWING NO.	ST-K1100-219
HANFORD ARMONA ROAD OVERHEAD		SCALE	AS SHOWN
GENERAL PLAN		SHEET NO.	OF

<h1 style="margin: 0;">CALIFORNIA HIGH-SPEED TRAIN PROJECT</h1> <h2 style="margin: 0;">FB - CONSTRUCTION PACKAGE 2-3</h2> <h3 style="margin: 0;">HANFORD ARMONA ROAD OVERHEAD BENT LAYOUT</h3>	CONTRACT NO. <div style="text-align: right;">HSR 13-57</div>
	DRAWING NO. <div style="text-align: right;">ST-K5200-219</div>
	SCALE <div style="text-align: right;">AS SHOWN</div>
	SHEET NO. <div style="text-align: right;">OF</div>

EXHIBIT D4

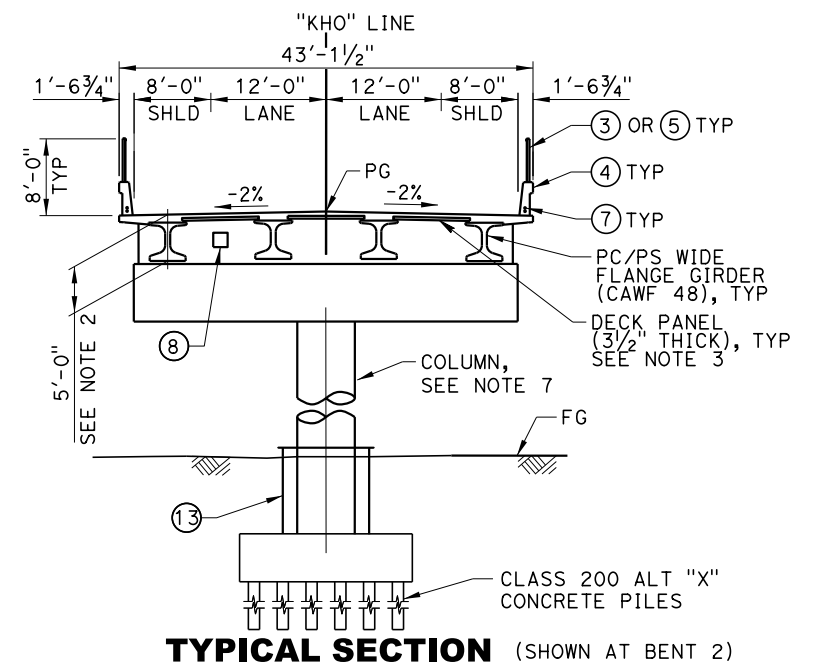
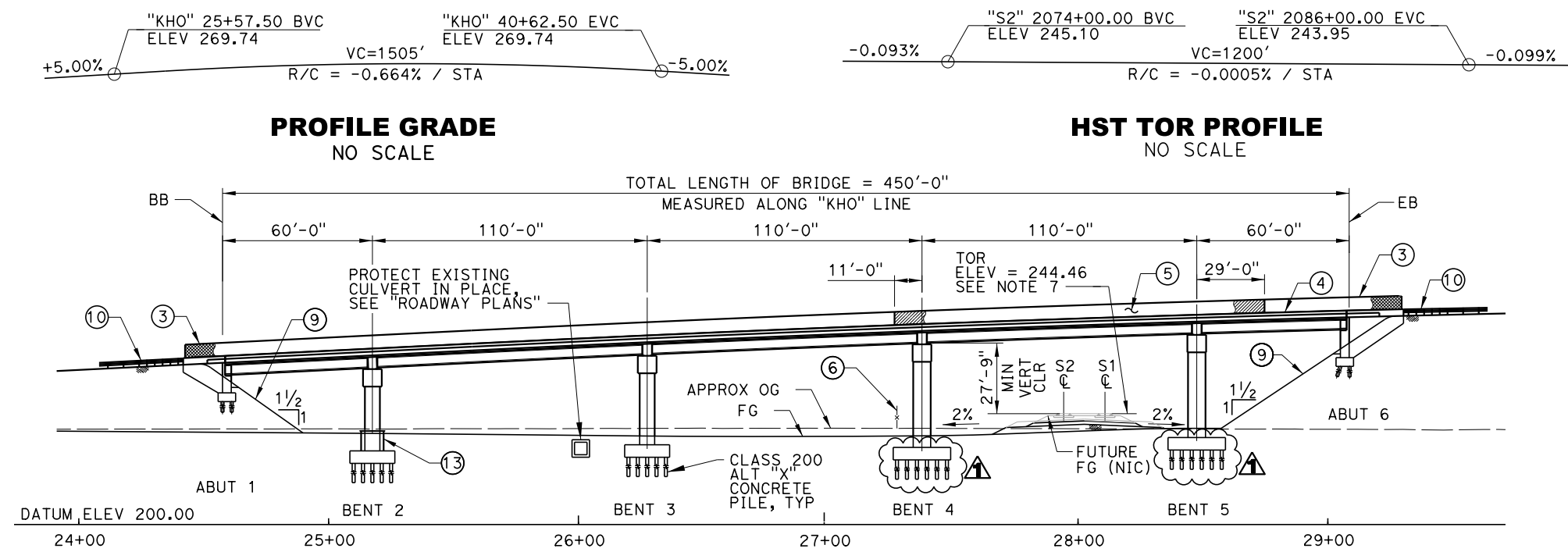
Overhead Structural Drawings

Houston Avenue

Dragados Flatiron Joint Venture

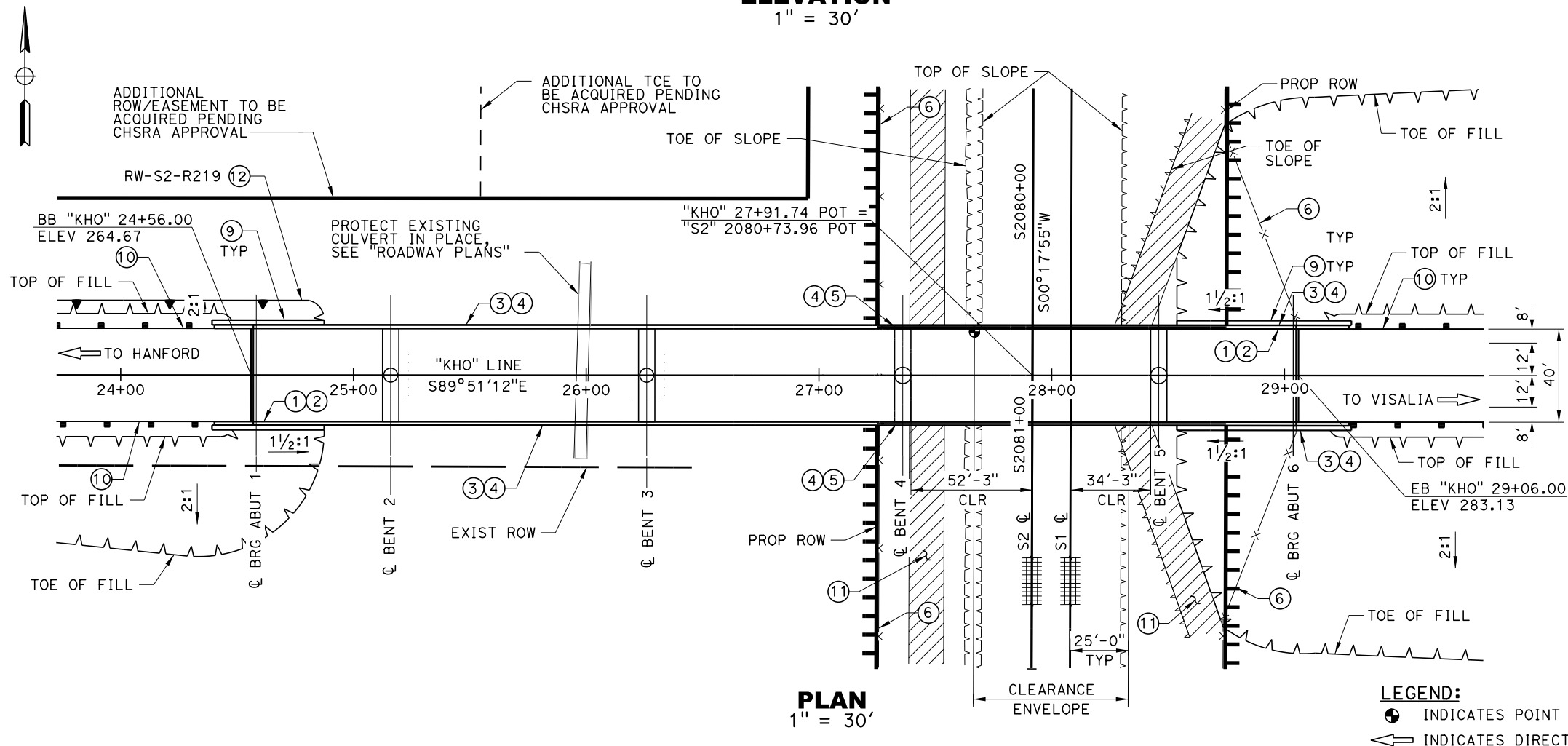
1775 Park Street Suite 75



Selma, CA 93662



- ### KEY NOTES:
- 1" = 10'
- ① PAINT "HOUSTON AVENUE OVERHEAD"
 - ② PAINT "BRIDGE NUMBER S-OH-225.9"
 - ③ CHAIN LINK RAILING TYPE 7 (MOD)
 - ④ CONCRETE BARRIER TYPE 742
 - ⑤ SOLID BARRIER
 - ⑥ AR FENCE, SEE "TRACK PLANS". 8' WELDED WIRE MESH
 - ⑦ 2-2" Ø CONDUITS FOR FUTURE UTILITY
 - ⑧ FUTURE UTILITY OPENING
 - ⑨ SLOPE PAVING
 - ⑩ MIDWEST GUARDRAIL SYSTEM, SEE "ROADWAY PLANS"
 - ⑪ MAINTENANCE ACCESS, 15'-0" MINIMUM WIDTH
 - ⑫ RETAINING WALL (MSE), SEE "ROADWAY PLANS"
 - ⑬ COLUMN ISOLATION CASING (BENT 2 ONLY)

- ### NOTES:
1. FOR UTILITY INFORMATION, SEE COMPOSITE UTILITY PLANS
 2. STRUCTURE DEPTH VARIES AND IS MEASURED AT THE END OF GIRDER. THE MINIMUM SUPERSTRUCTURE DEPTH SHALL NOT BE LESS THAN 4'-10" ALONG THE GIRDER CENTERLINE
 3. OPTIONAL STAY-IN-PLACE METAL DECK FORM MAY BE USED IN ACCORDANCE WITH GENERAL PACKAGE - ROADWAY OVERHEAD DETAILS "GROUNDING AND BONDING DETAILS NO. 1" SHEET
 4. FOR GROUNDING AND BONDING, SEE "GROUNDING AND BONDING DETAILS NO. 1 & NO. 2" SHEETS
 5. SEE "TRACK PLANS" FOR MAINTENANCE ACCESS GRADING WITHIN HSR ROW
 6. 6'-0" Ø COLUMN AT BENTS 2 & 3, 7'-0" Ø COLUMN AT BENTS 4 & 5
 7. TOR ELEVATION AT INTERSECTION OF "KHO" LINE AND S2 C

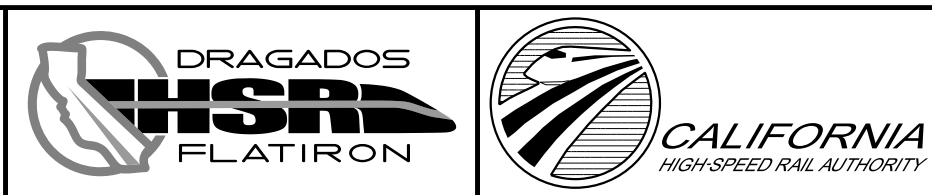


LEGEND:
 INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
 INDICATES DIRECTION OF TRAFFIC

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						DESIGNED BY J. WANG
						DRAWN BY N. MORALES
						CHECKED BY B. DENG
						IN CHARGE R. TREVETT
1	3/20/19	JW	LZ	RT	NDC 095 - REVISED BENT 4 AND 5 FOUNDATION	DATE 11/30/2018
REV	DATE	BY	CHK	APP	DESCRIPTION	

REGISTERED PROFESSIONAL ENGINEER
LIPING ZHOU
No. 65528
Exp. 09/30/19
CIVIL
STATE OF CALIFORNIA



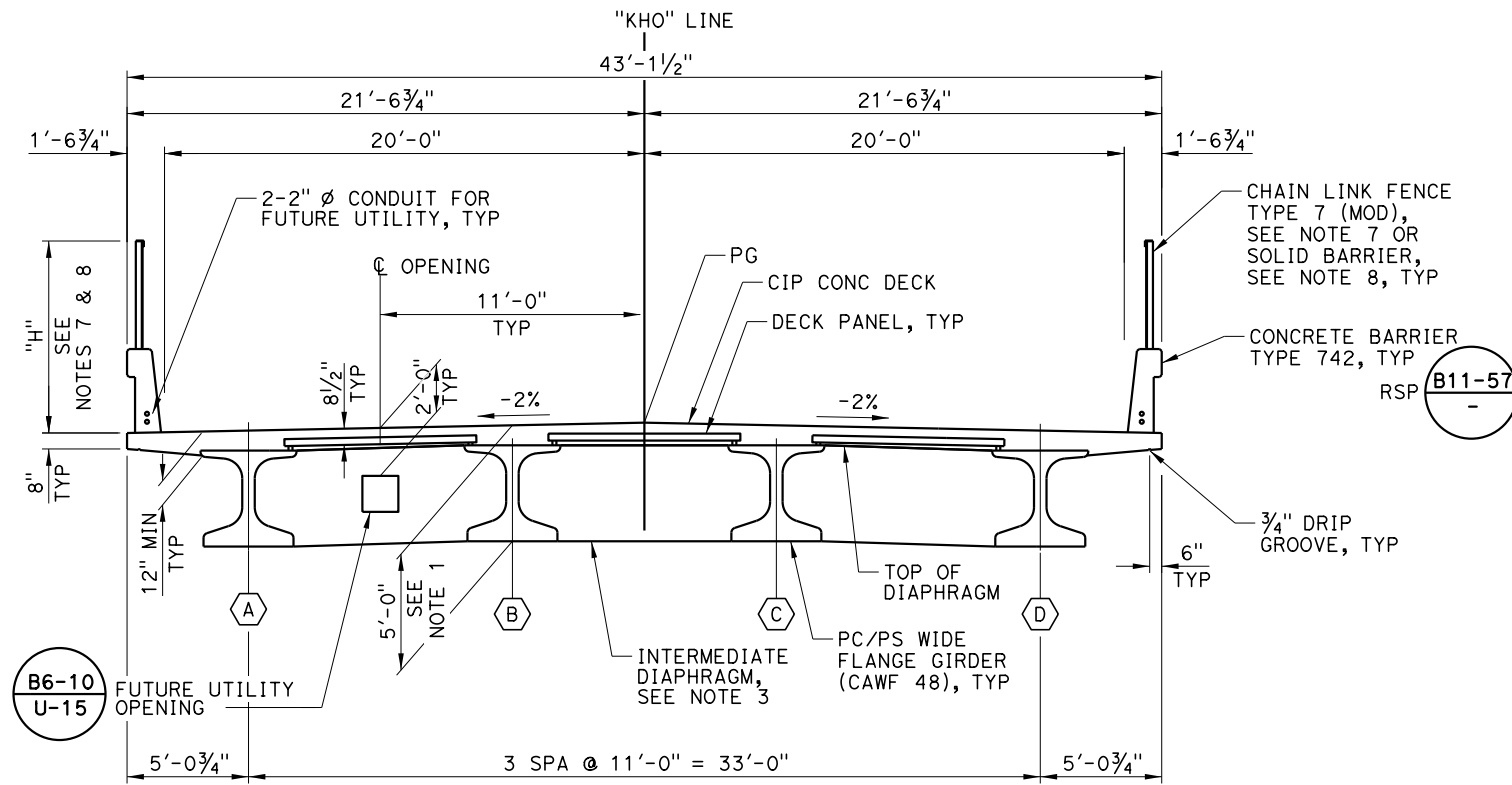
<div> <div> CALIFORNIA HIGH-SPEED TRAIN PROJECT FB - CONSTRUCTION PACKAGE 2-3 </div> <div> HOUSTON AVENUE OVERHEAD GENERAL PLAN </div> </div>	CONTRACT NO. HSR 13-57
	DRAWING NO. ST-K1100-220
	SCALE AS SHOWN
	SHEET NO. OF

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12/11/2018 11:16:29 PM

USL450-APP064\$



TYPICAL SECTION

1/4" = 1'-0"

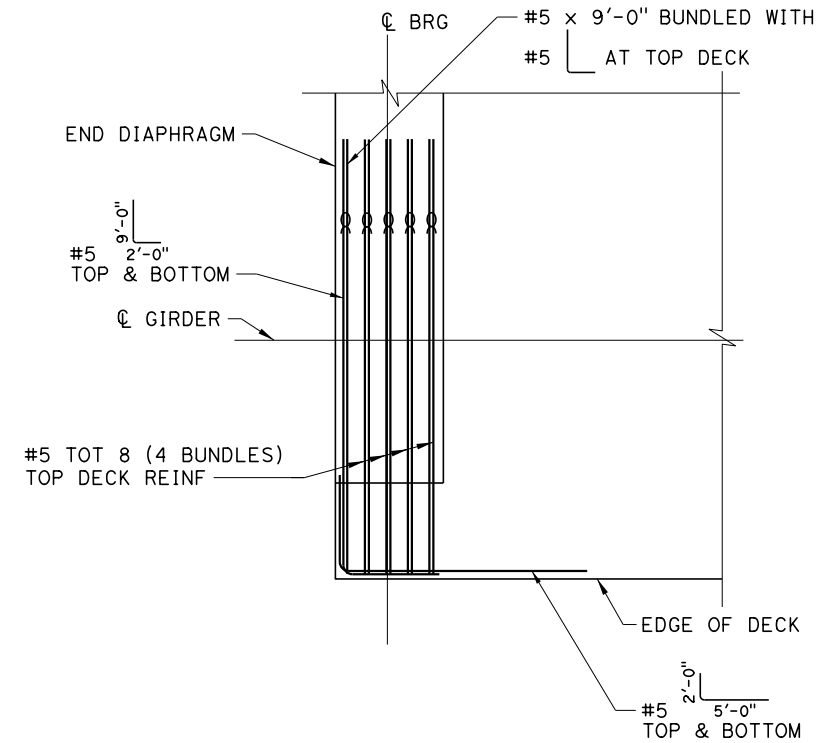
NOTE: PC STAY-IN-PLACE DECK PANEL OPTION IS SHOWN,
CAST-IN-PLACE DECK OPTION IS SIMILAR

NOTES:

1. STRUCTURE DEPTH VARIES AND IS MEASURED AT END OF GIRDER. THE MINIMUM SUPERSTRUCTURE DEPTH SHALL NOT BE LESS THAN 4'-10" ALONG THE GIRDER CENTERLINE
2. FOR PRECAST DECK PANELS, SEE "DECK PANEL DETAILS" SHEETS
3. FOR INTERMEDIATE DIAPHRAGM, SEE "INTERMEDIATE DIAPHRAGM TYPE 2 DETAILS" SHEET
4. FOR TYPICAL DECK REINFORCEMENT AND DIMENSIONS, SEE "DECK REINFORCEMENT DETAILS NO. 1" SHEET
5. FOR ADDITIONAL DECK REINFORCEMENT, SEE "ADDITIONAL DECK REINFORCEMENT" SHEET
6. CONTRACTOR SHALL CAST DECK PER "DECK REINFORCEMENT NO. 1" (CAST-IN-PLACE DECK OPTION) IF STAY-IN-PLACE STEEL DECK FORMS ARE USED
7. FOR CHAIN LINK RAILING DETAIL, SEE "CHAIN LINK RAILING TYPE 7 (MOD)" SHEET. FOR CHAIN LINK RAILING HEIGHT, SEE "GENERAL PLAN" SHEET
8. FOR SOLID BARRIER DETAILS, SEE "SOLID BARRIER DETAILS NO. 1 AND NO. 2" SHEETS. FOR SOLID BARRIER HEIGHT, SEE "GENERAL PLAN" SHEET

LEGEND:

- (X) GIRDER IDENTIFICATION LETTER
∞ INDICATES BUNDLED BAR



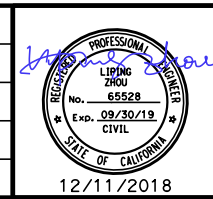
DECK CORNER ADDITIONAL REINFORCEMENT

1/2"=1'-0"

FID: S-OH-225.9

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. WANG
DRAWN BY N. MORALES
CHECKED BY B. DENG
IN CHARGE R. TREVETT
DATE 11/30/2018



CALIFORNIA HIGH-SPEED TRAIN PROJECT FB - CONSTRUCTION PACKAGE 2-3		CONTRACT NO. HSR 13-57
HOUSTON AVENUE OVERHEAD TYPICAL SECTION		DRAWING NO. ST-K5300-220
		SCALE AS SHOWN
		SHEET NO. OF

EXHIBIT D5

Overhead Structural Drawings

Idaho Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

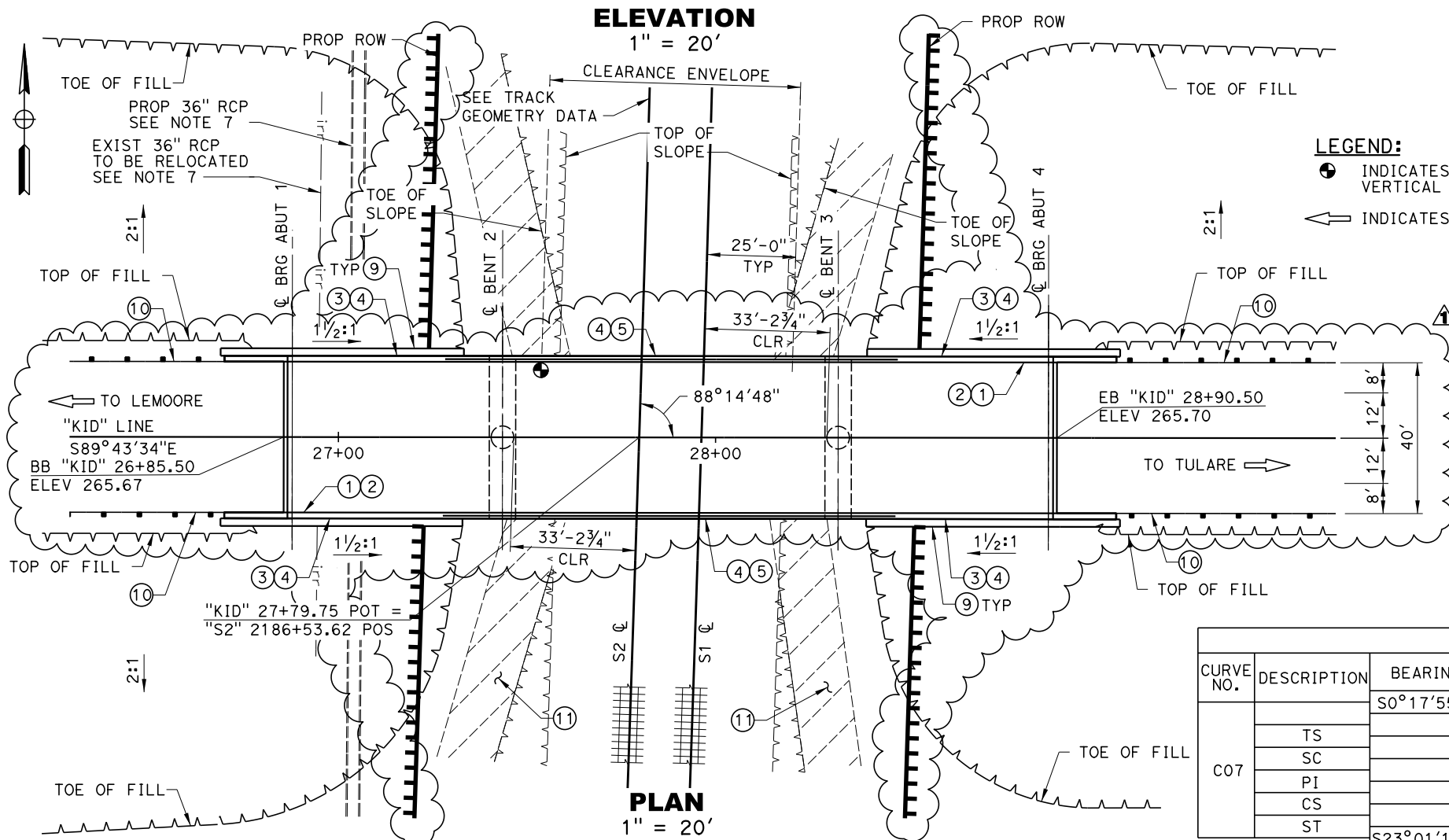
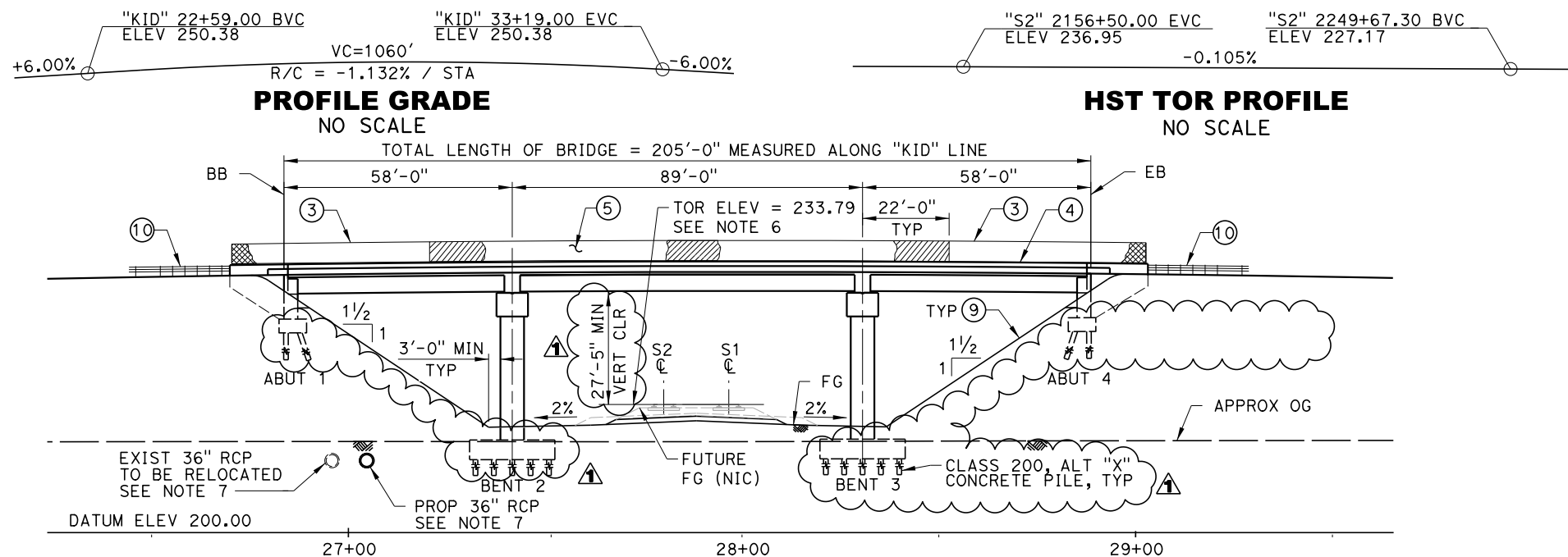
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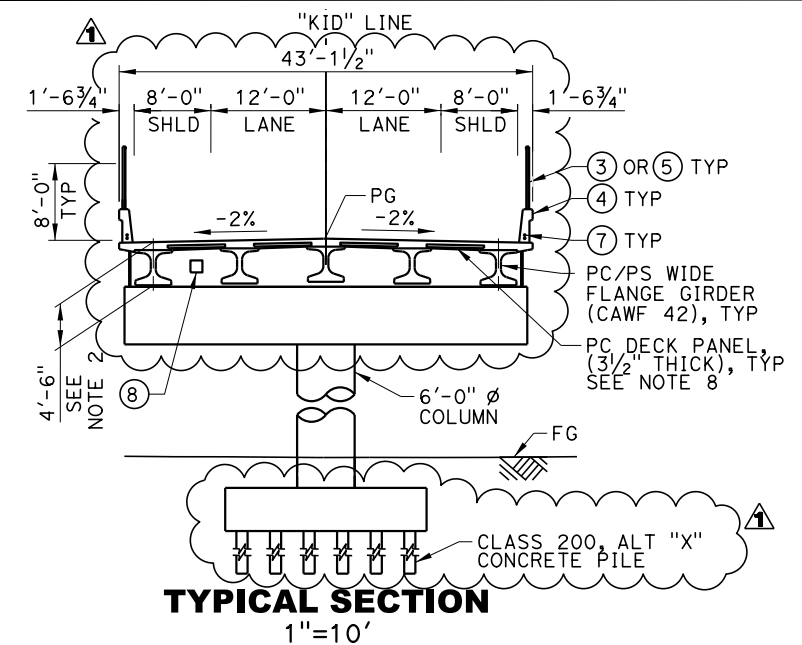
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USLASO-APP064\$



LEGEND:

- INDICATES POINT OF MINIMUM
VERTICAL CLEARANCE
- ← INDICATES DIRECTION OF TRAFFIC



KEY NOTES:

- PAINT "IDAHO AVENUE OVERHEAD"
- PAINT "BRIDGE NUMBER S-OH-228.0"
- CHAIN LINK RAILING TYPE 7 (MOD)
- CONCRETE BARRIER TYPE 742
- SOLID BARRIER
- 2'-2" Ø CONDUITS FOR FUTURE UTILITY
- FUTURE UTILITY OPENING
- SLOPE PAVING
- MIDWEST GUARDRAIL SYSTEM, SEE "ROADWAY PLANS"
- MAINTENANCE ACCESS, 15'-0" MINIMUM WIDTH

NOTES:

- FOR UTILITY INFORMATION, SEE "COMPOSITE UTILITY PLANS"
- STRUCTURE DEPTH VARIES AND IS MEASURED AT THE END OF GIRDER. THE MINIMUM STRUCTURE DEPTH SHALL NOT BE LESS THAN 4'-4" ALONG THE GIRDER CENTERLINE
- FOR GROUNDING AND BONDING, SEE "GROUNDING AND BONDING DETAILS NO. 1 & NO. 2" SHEETS
- SEE "TRACK PLANS" FOR MAINTENANCE ACCESS GRADING WITHIN HSR ROW
- FOR LIMITS OF ANTI-GRAFFITI COATING, SEE "LIMITS OF ANTI-GRAFFITI COATING" SHEET
- TOR ELEVATION AT INTERSECTION OF "KID" LINE AND "S2" CL
- SEE LAKESIDE DITCH COMPANY (LDC) PLANS FOR IRRIGATION DETAILS
- CAST-IN-PLACE DECK OPTION MAY BE USED PER "TYPICAL SECTION". STAY-IN-PLACE METAL FORMS ARE NOT PERMITTED

TRACK GEOMETRY DATA

CURVE NO.	DESCRIPTION	BEARING	DISTANCE (FT)	CENTRAL ANGLE	STATION	NORTHING	EASTING	R (FT)	Lc (FT)	SPIRAL TYPE	Ls (FT)	Ea (IN)	Eu (IN)
		S0°17'55"W	37533.23										
C07	TS				S2165+89.75	1983803.23	6387313.59			COSINE	2300	5.50	2.68
	SC				S2188+89.75	1981503.69	6387275.87						
	PI			22°43'21"	S2238+80.85	1976512.23	6387275.60	30559.30	9819.23				
	CS				S2287+08.97	1971928.40	6385299.94						
	ST	S23°01'15"W	1183.45		S2310+08.97	1969801.78	6384424.29			COSINE	2300	5.50	2.68

FID: S-OH-228.0

REV	DATE	BY	CHK	APP	DESCRIPTION
1	10/28/19	TL	DG	RT	NDC 113 - REVISED STRUCTURE WIDTH, FOUNDATION & REMOVE AR FENCE

DESIGNED BY
D. HE

DRAWN BY
N. MORALES

CHECKED BY
N. ODELL

IN CHARGE
R. TREVETT

DATE
10/28/2019



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

IDAHO AVENUE OVERHEAD
GENERAL PLAN

CONTRACT NO.
HSR 13-57

DRAWING NO.
ST-K1100-222

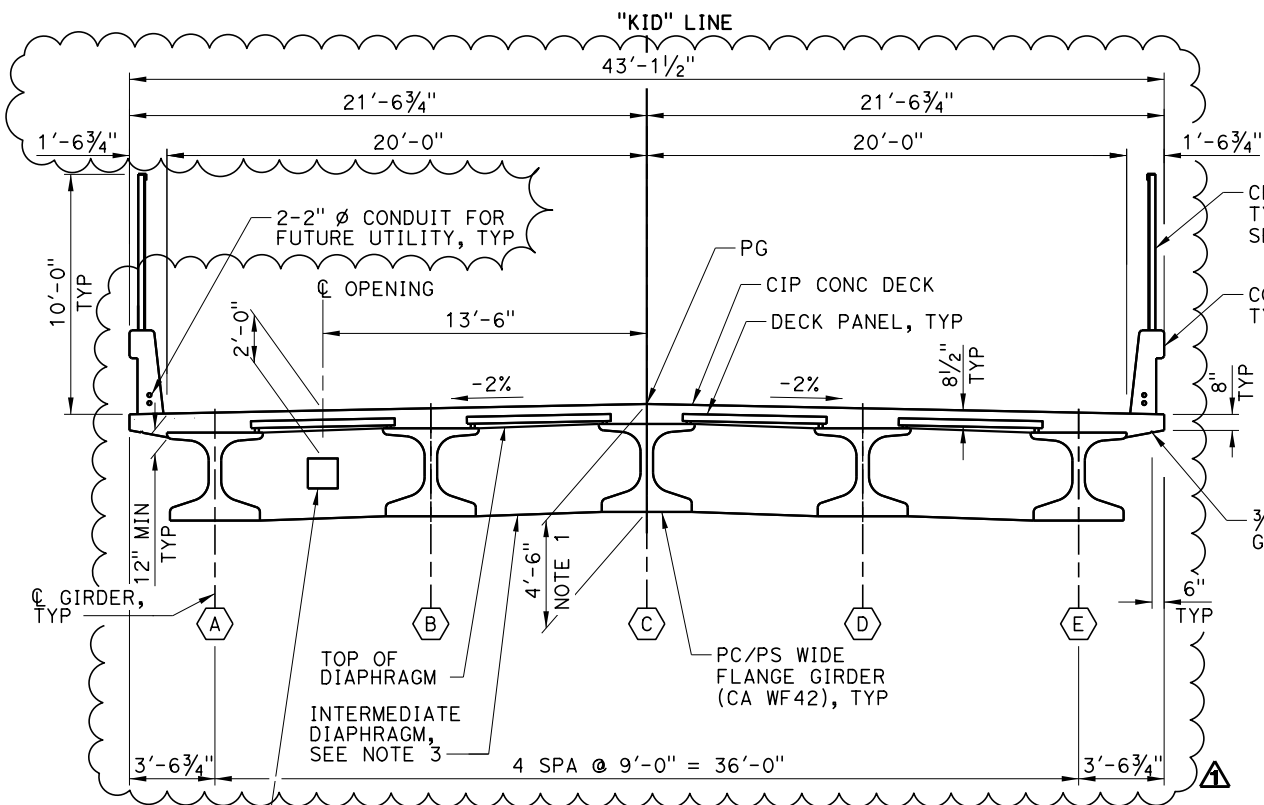
SCALE
AS SHOWN

SHEET NO.
OF

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USL450-APP064\$

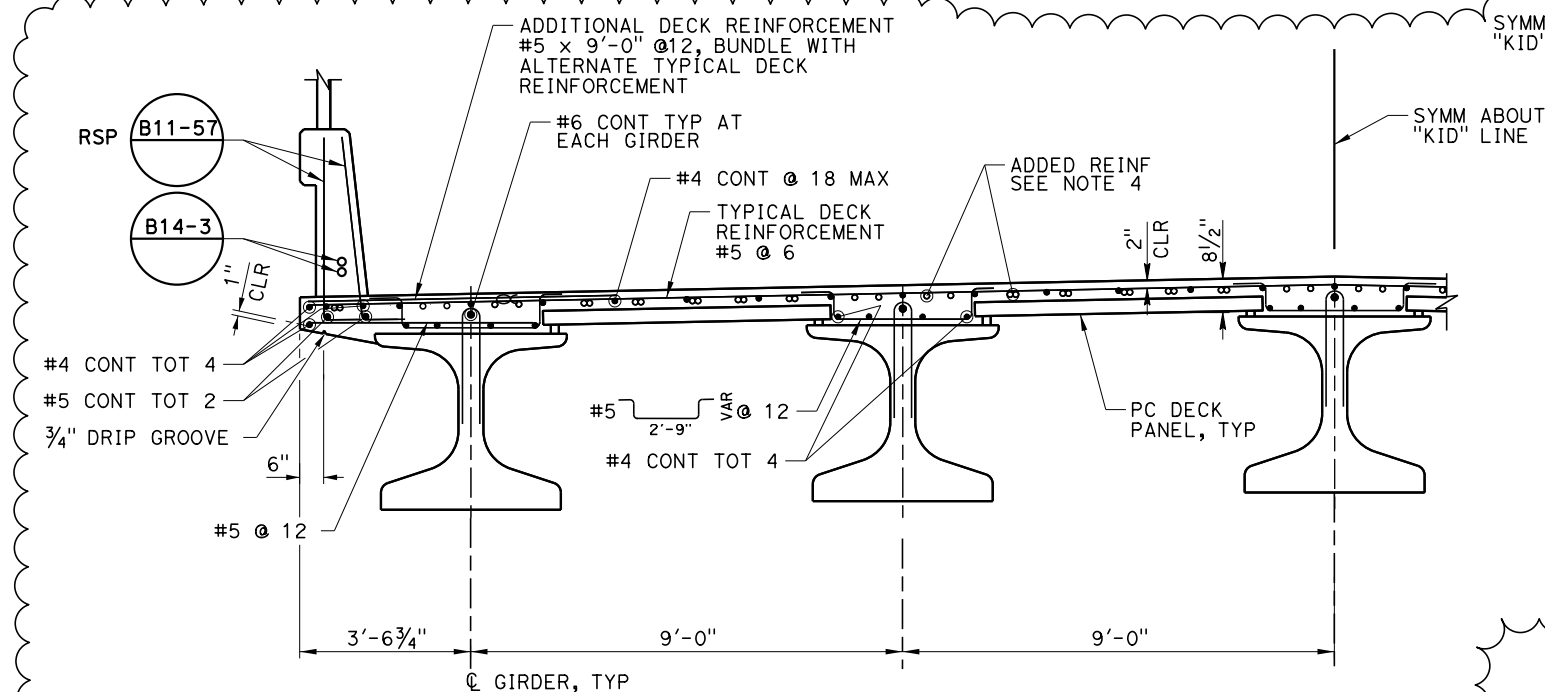


TYPICAL SECTION

1/4" = 1'-0"

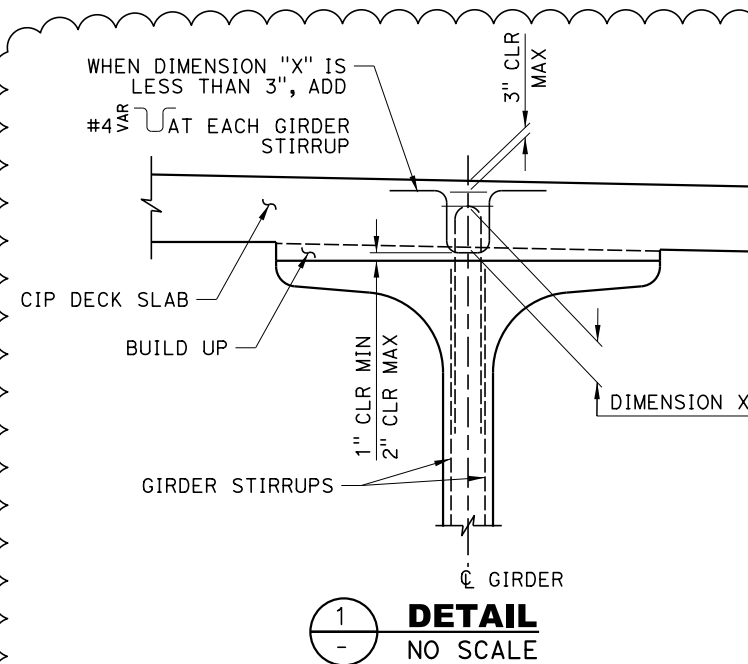
NOTE: PC STAY-IN-PLACE DECK PANEL OPTION IS SHOWN, CAST-IN-PLACE DECK OPTION IS SIMILAR

B6-10
U-15



PART TYPICAL SECTION - PC STAY-IN-PLACE DECK PANEL OPTION

1/2" = 1'-0"

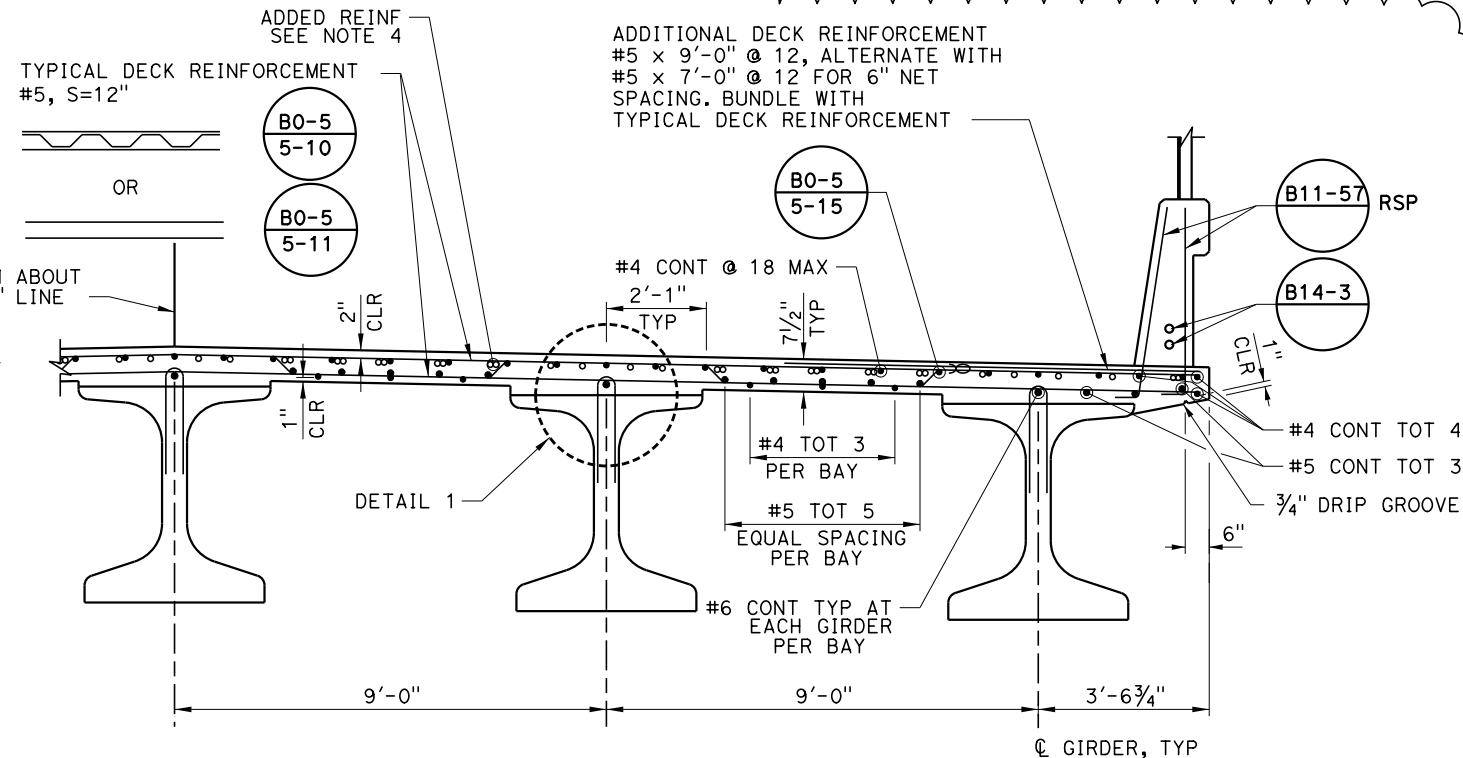


NOTES:

1. STRUCTURE DEPTH VARIES AND IS MEASURED AT END OF GIRDER. THE MINIMUM SUPERSTRUCTURE DEPTH SHALL NOT BE LESS THAN 4'-4" ALONG THE GIRDER CENTERLINE
2. FOR PRECAST DECK PANELS, SEE "DECK PANEL DETAILS" SHEET
3. FOR INTERMEDIATE DIAPHRAGM, SEE "INTERMEDIATE DIAPHRAGM TYPE 2 DETAILS" SHEET
4. FOR ADDITIONAL DECK REINFORCEMENT, SEE "ADDITIONAL DECK REINFORCEMENT" SHEET
5. FOR CHAIN LINK RAILING DETAIL, SEE "CHAIN LINK RAILING TYPE 7 (MOD)" SHEET
6. FOR SOLID BARRIER DETAILS, SEE "SOLID BARRIER DETAILS NO. 1 AND NO. 2" SHEETS

LEGEND:

- (X) GIRDER IDENTIFICATION LETTER
- ∞ INDICATES BUNDLED BARS



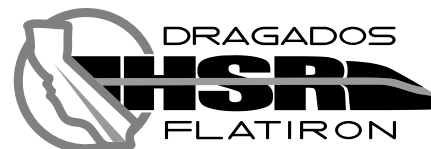
PART TYPICAL SECTION - CAST-IN-PLACE DECK OPTION

1/2" = 1'-0"

FID: S-OH-228.0

REV	DATE	BY	CHK	APP	DESCRIPTION
1	10/28/19	TL	DG	RT	NDC 113 - REVISED STRUCTURE WIDTH AND ADDED DECK PANEL OPTIONS PART TYPICAL SECTION

DESIGNED BY T. LE
DRAWN BY N. MORALES
CHECKED BY D. HE
IN CHARGE R. TREVETT
DATE 10/28/2019



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

IDAHO AVENUE OVERHEAD
TYPICAL SECTION

CONTRACT NO. HSR 13-57
DRAWING NO. ST-K5300-222
SCALE AS SHOWN
SHEET NO. OF

EXHIBIT D6

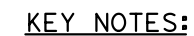
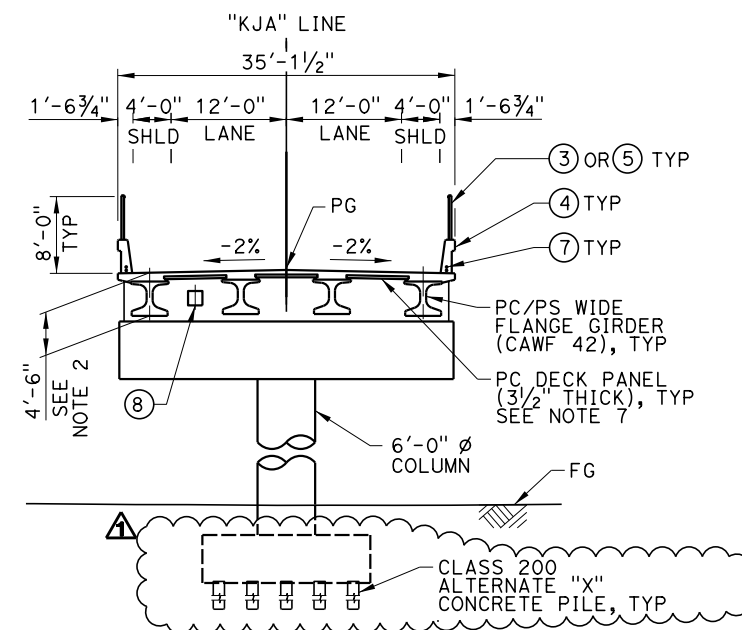
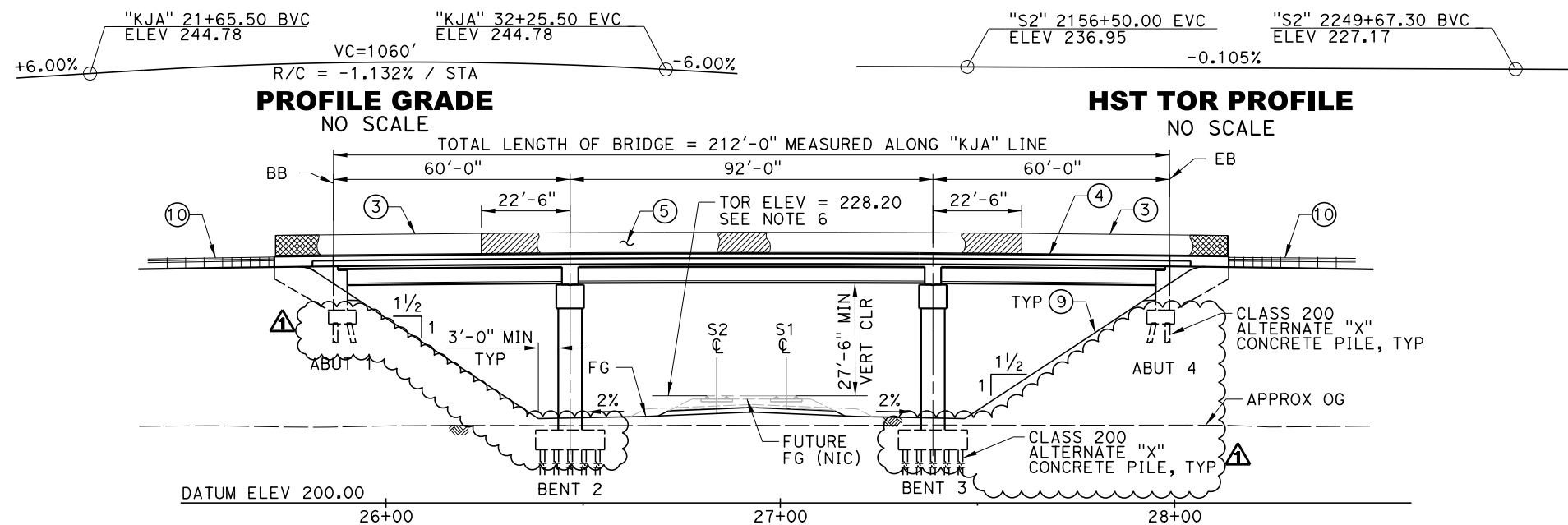
Overhead Structural Drawings

Jackson Avenue

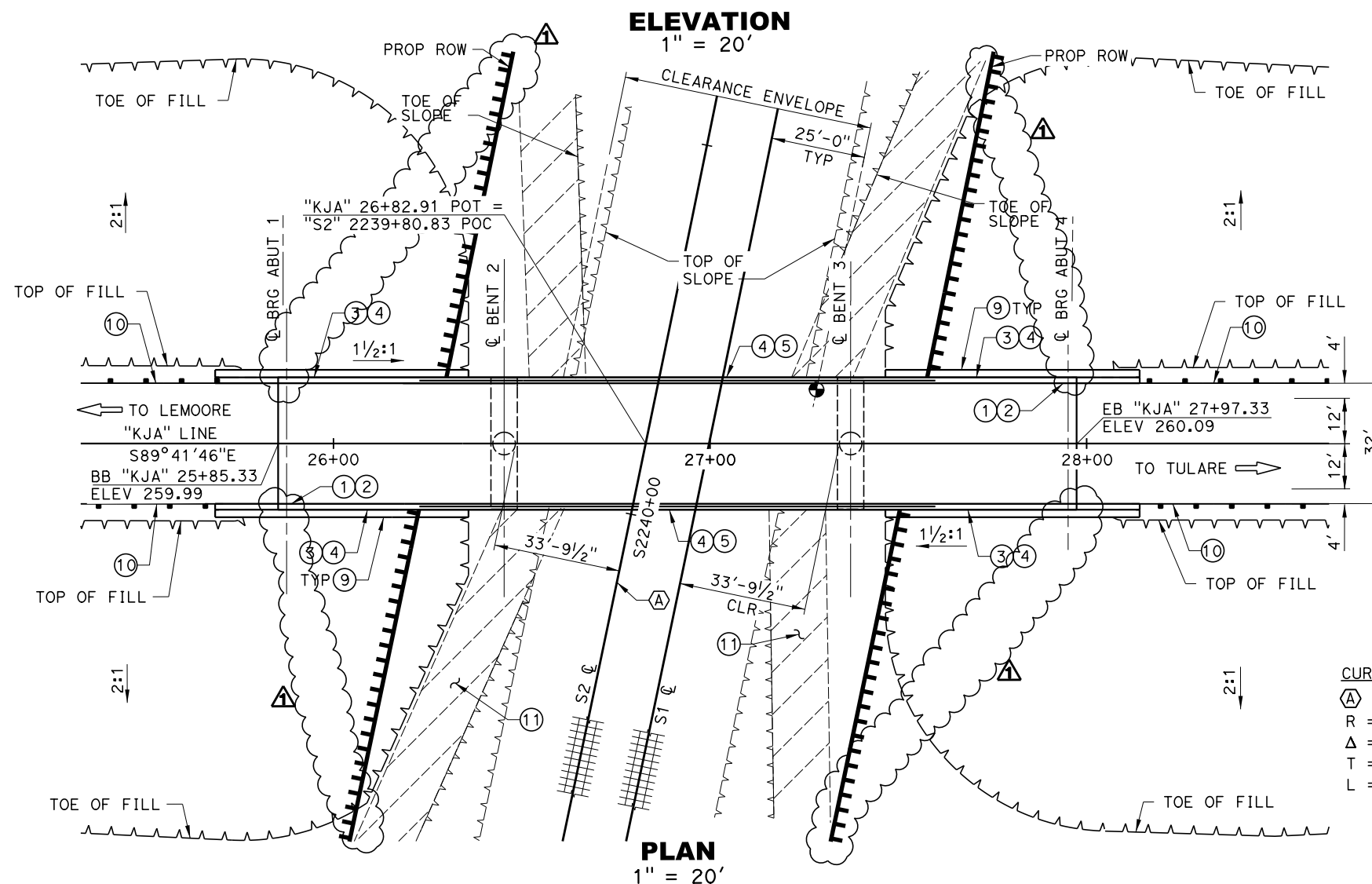
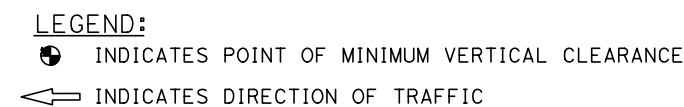
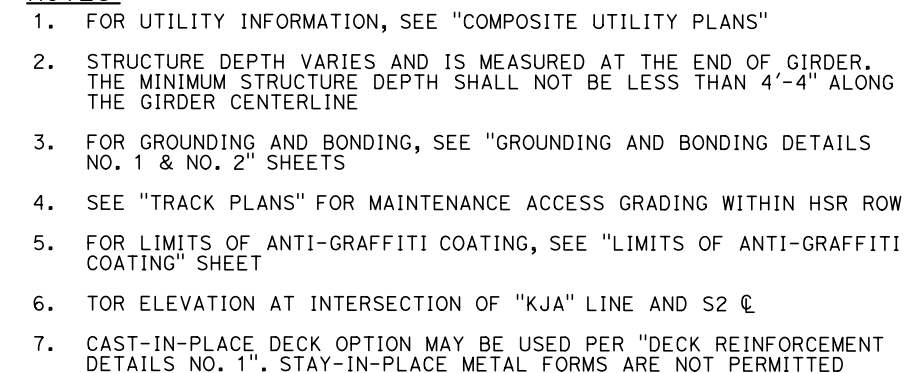
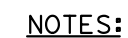
Dragados Flatiron Joint Venture

1775 Park Street Suite 75


Selma, CA 93662



- ① PAINT "JACKSON AVENUE OVERHEAD"
- ② PAINT "BRIDGE NUMBER S-OH-229.0"
- ③ CHAIN LINK RAILING TYPE 7 (MOD)
- ④ CONCRETE BARRIER TYPE 742
- ⑤ SOLID BARRIER
- ⑥
- ⑦ 2-2" Ø CONDUITS FOR FUTURE UTILITY
- ⑧ FUTURE UTILITY OPENING
- ⑨ SLOPE PAVING
- ⑩ MIDWEST GUARDRAIL SYSTEM, SEE "ROADWAY PLANS"
- ⑪ MAINTENANCE ACCESS, 15'-0" MINIMUM WIDTH



CURVE DATA
 (A) "S2"
 R = 30559.30'
 $\Delta = 18^{\circ}24'36''$
 T = 4952.29'
 L = 9819.23'

	09/30/19	LH	BD	RT	NDC117 - REVISED FOUNDATION
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY L. LIU
DRAWN BY N. MORALES
CHECKED BY D. HE
IN CHARGE R. TREVETT
DATE 12/14/2018



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3

JACKSON AVENUE OVERHEAD
GENERAL PLAN

CONTRACT NO.	HSR 13-57
DRAWING NO.	ST-K1100-223
SCALE	AS SHOWN
SHEET NO.	OF

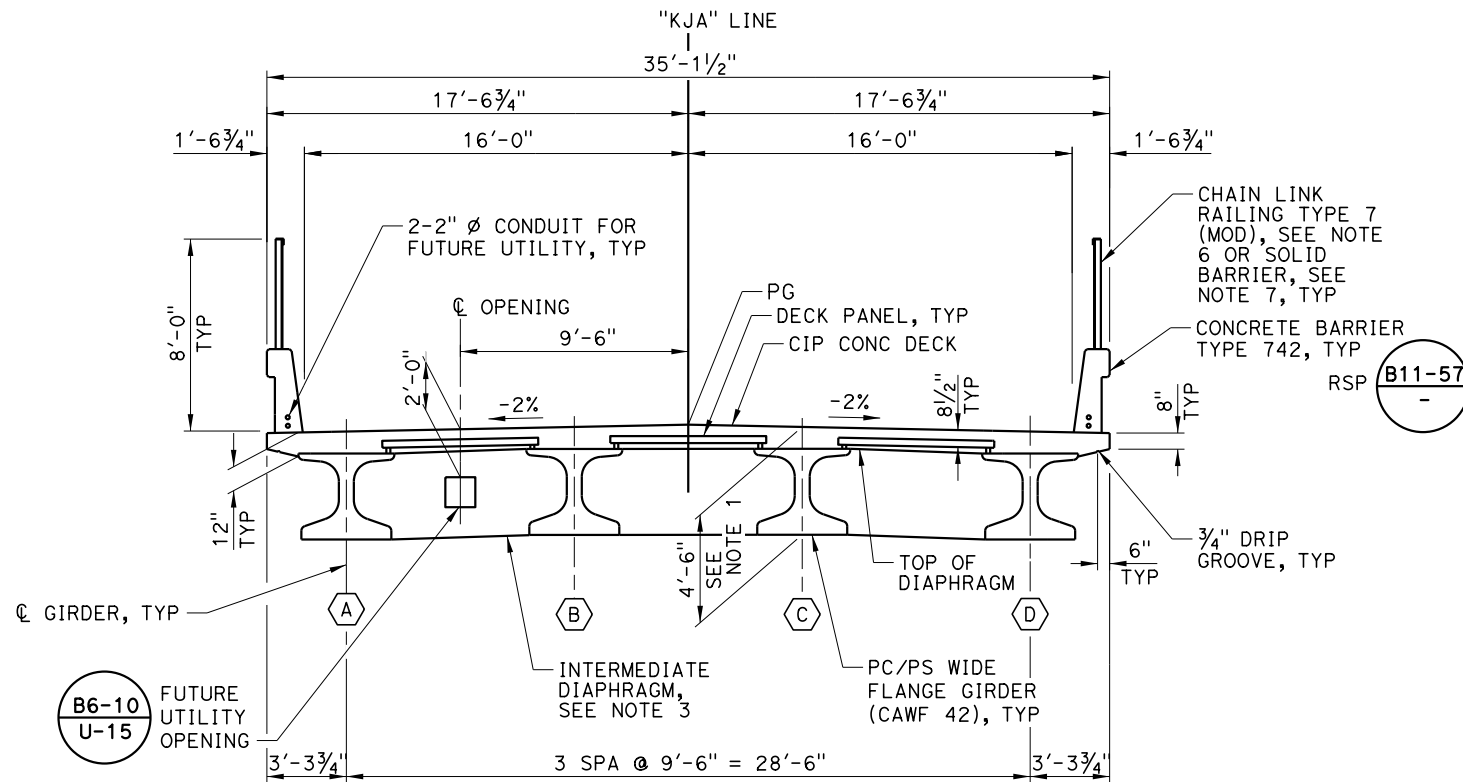
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ip1otdr-vm.plt

CAHSR_PFC_SIGNED.tbl

12/17/2018 4:59:03 PM

USL450-APP064\$



TYPICAL SECTION

1/4"=1'-0"

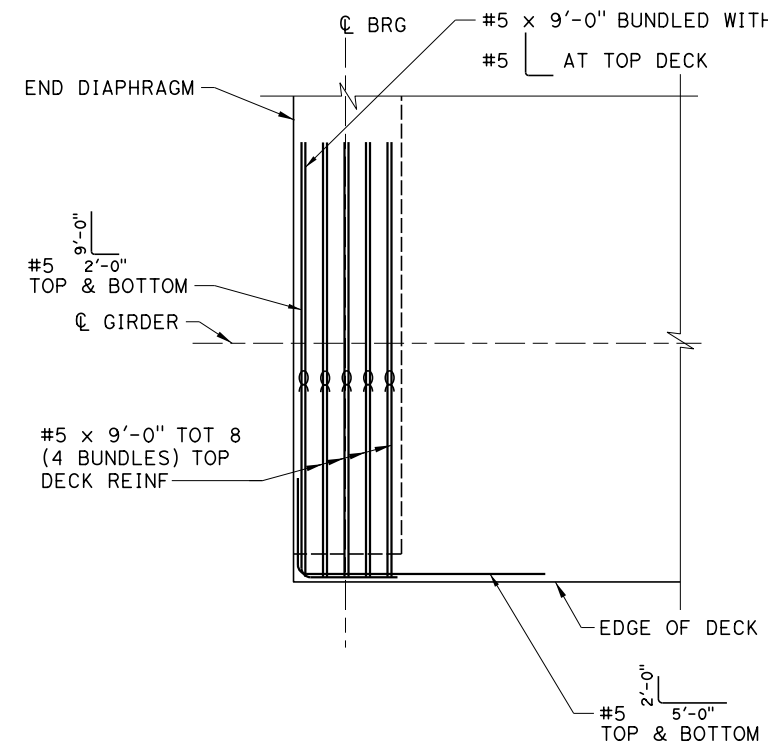
NOTE: PC STAY-IN-PLACE DECK PANEL OPTION IS SHOWN, CAST-IN-PLACE DECK OPTION IS SIMILAR

NOTES:

1. STRUCTURE DEPTH VARIES AND IS MEASURED AT END OF GIRDER. THE MINIMUM SUPERSTRUCTURE DEPTH SHALL NOT BE LESS THAN 4'-4" ALONG THE GIRDER CENTERLINE
2. FOR PRECAST DECK PANELS, SEE "DECK PANEL DETAILS" SHEETS
3. FOR INTERMEDIATE DIAPHRAGM, SEE "INTERMEDIATE DIAPHRAGM TYPE 2 DETAILS" SHEET
4. FOR TYPICAL DECK REINFORCEMENT AND DIMENSIONS, SEE "DECK REINFORCEMENT DETAILS NO. 2" SHEET
5. FOR ADDITIONAL DECK REINFORCEMENT, SEE "ADDITIONAL DECK REINFORCEMENT" SHEET
6. FOR CHAIN LINK RAILING DETAIL, SEE "CHAIN LINK RAILING TYPE 7 (MOD)" SHEET
7. FOR SOLID BARRIER DETAILS, SEE "SOLID BARRIER DETAILS NO. 1 AND NO. 2" SHEETS

LEGEND:

- (X) GIRDER IDENTIFICATION LETTER
∞ INDICATES BUNDLED BARS



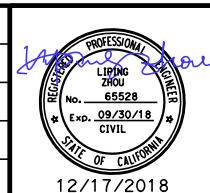
DECK CORNER ADDITIONAL REINFORCEMENT

1/2"=1'-0"

FID: S-OH-229.0

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY L. LIU
DRAWN BY N. MORALES
CHECKED BY D. HE
IN CHARGE R. TREVETT
DATE 12/14/2018



CALIFORNIA HIGH-SPEED TRAIN PROJECT FB - CONSTRUCTION PACKAGE 2-3		CONTRACT NO. HSR 13-57
JACKSON AVENUE OVERHEAD TYPICAL SECTION		DRAWING NO. ST-K5300-223
		SCALE AS SHOWN
		SHEET NO. OF

EXHIBIT E1

Profile Plan Drawings

Dover Avenue

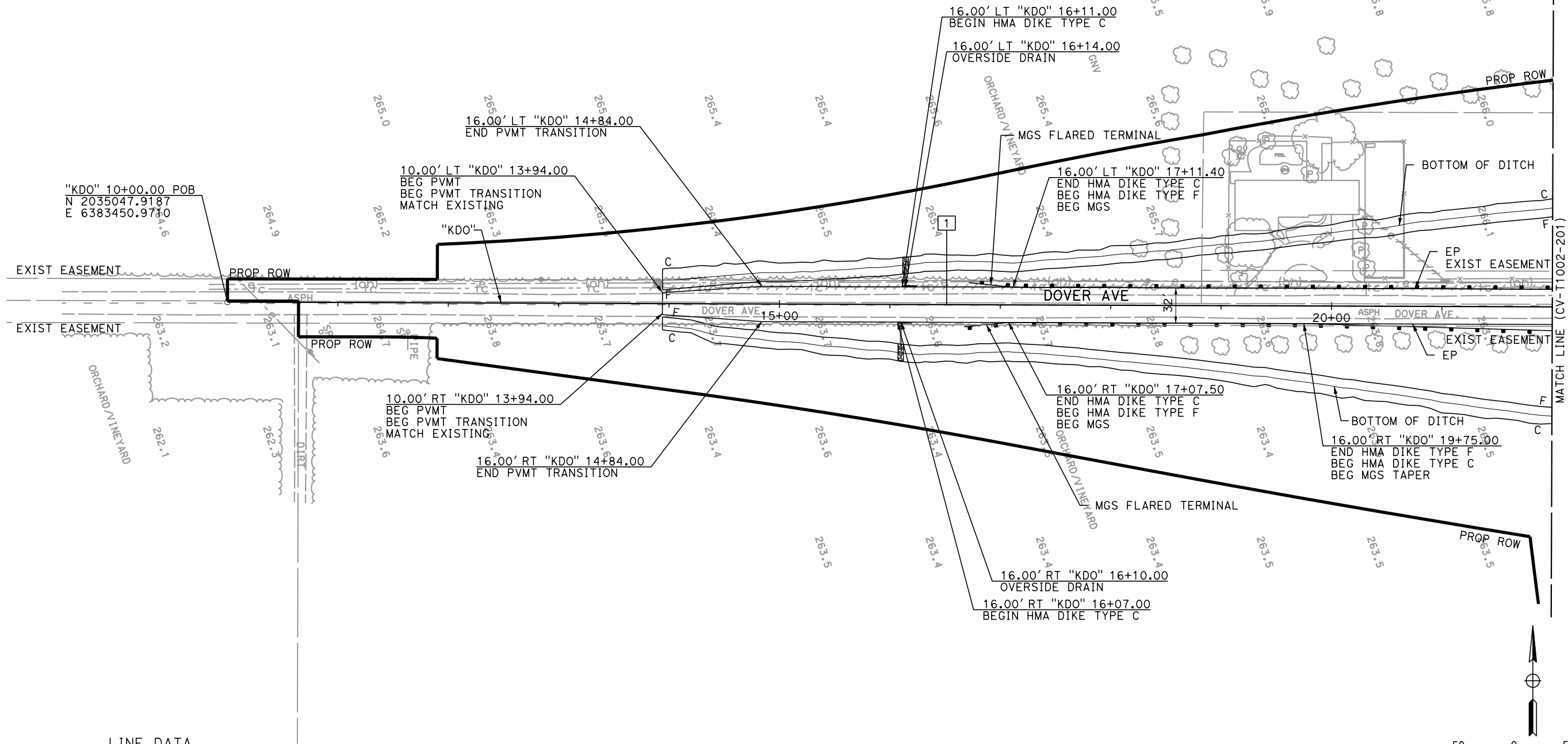
Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

NOTES:

1. SEE GENERAL PACKAGE SHEET CV-B0050 FOR CONSTRUCTION NOTE TABLE.
2. SEE GENERAL PACKAGE SHEET CV-B0001 FOR PAVEMENT TIE-IN DETAIL. DETAIL A - LONGITUDINAL PAVEMENT JOINT DETAIL OR DETAIL C-MILL & OVERLAY TIE-IN DETAIL MAY BE USED.
3. REFER TO TRACK GRADING AND DRAINAGE PLANS FOR TRACK CULVERT DETAILS.
4. FOR UTILITY RELOCATION, SEE UTILITY SHEETS.



LINE DATA		
NO.	BEARING	DISTANCE
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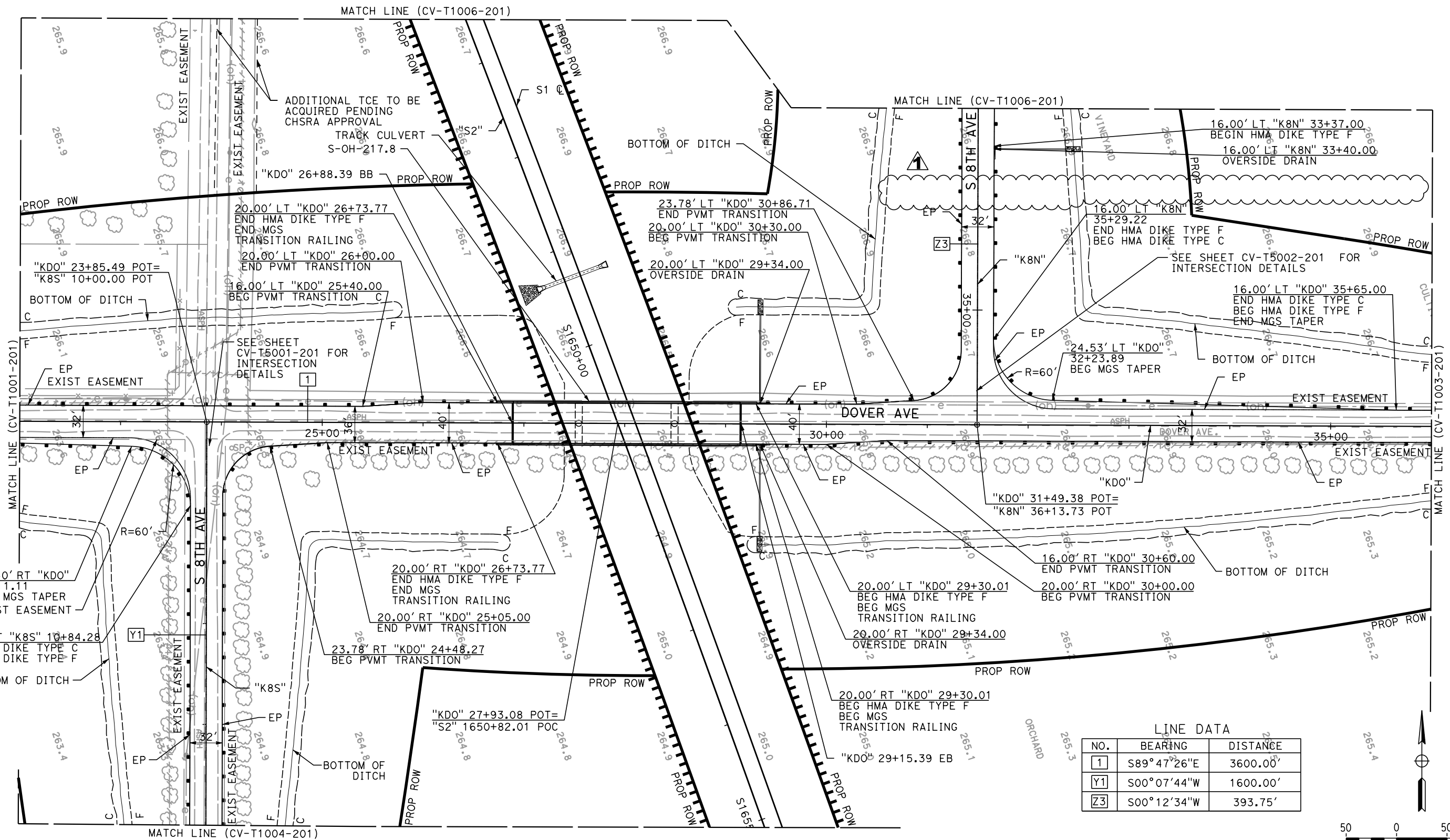
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
N. POLICHETTI
DRAWN BY
N. POLICHETTI
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
01/26/2018

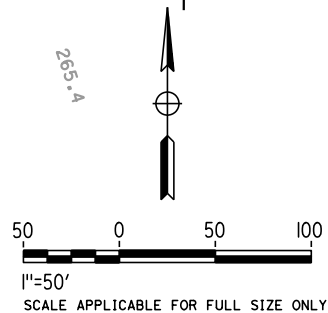


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**
ROADWAY SEGMENT 2
GRADE SEPARATION LAYOUT
DOVER AVE

CONTRACT NO.
HSR 13-57
DRAWING NO.
CV-T1001-201
SCALE
AS SHOWN
SHEET NO.
OF



LINE DATA		
NO.	BEARING	DISTANCE
1	S89°47'26"E	3600.00'
Y1	S00°07'44"W	1600.00'
Z3	S00°12'34"W	393.75'



REV	DATE	BY	CHK	APP	DESCRIPTION
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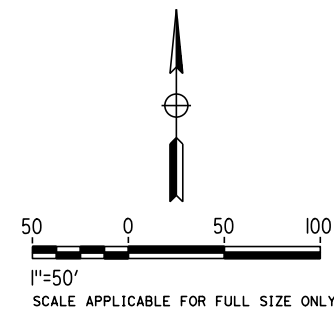
DESIGNED BY N. POLICETTI
DRAWN BY N. POLICETTI
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 01/26/2018



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

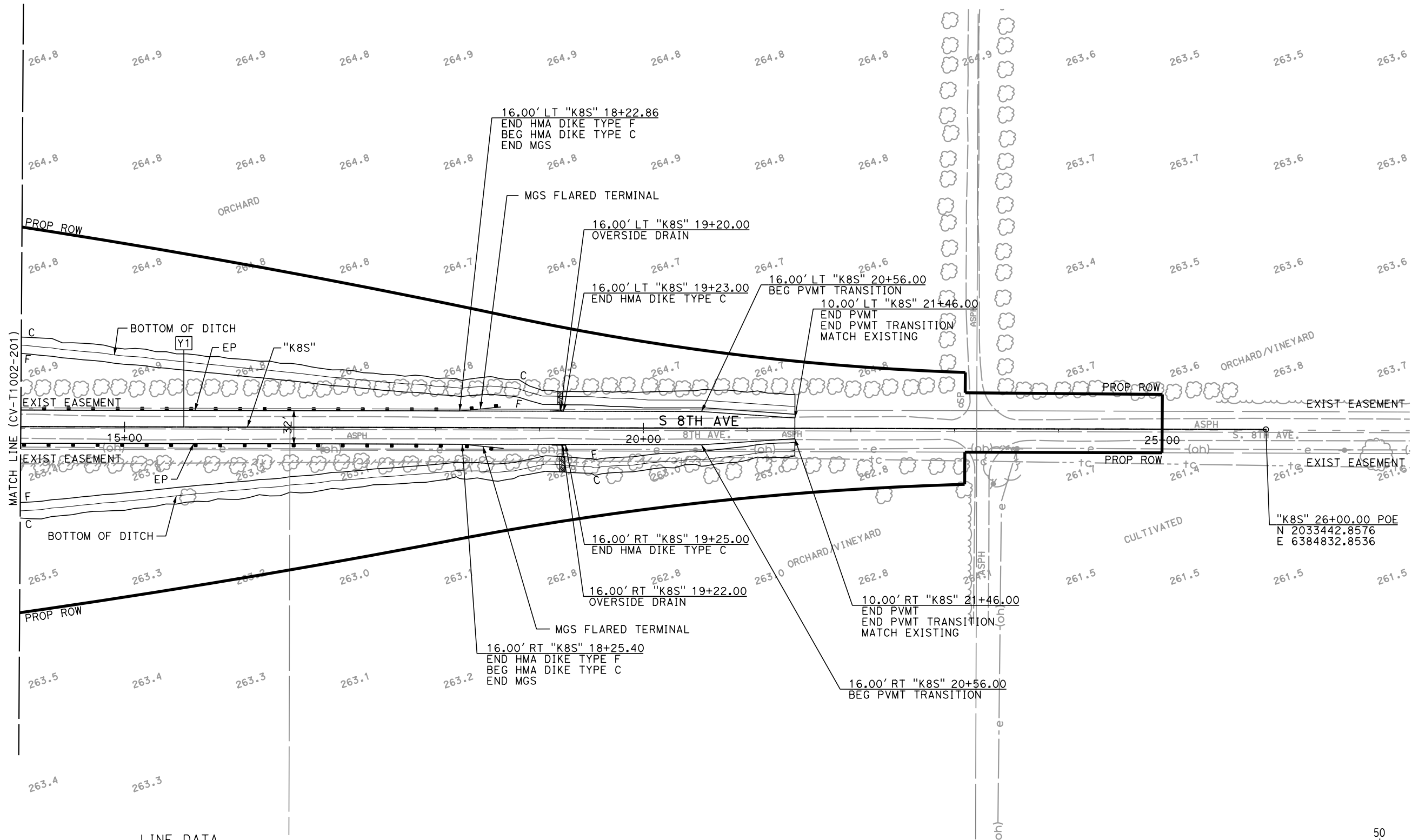
ROADWAY SEGMENT 2
GRADE SEPARATION LAYOUT
DOVER AVE

CONTRACT NO. HSR 13-57
DRAWING NO. CV-T1002-201
SCALE AS SHOWN
SHEET NO. OF

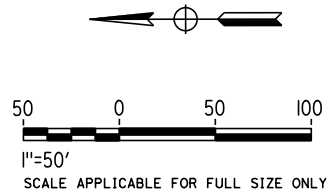


CONTRACT NO.	HSR 13-57
DRAWING NO.	CV-T1003-201
SCALE	AS SHOWN
SHEET NO.	OF

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ip1otdrv.m.plt
CAHSR_PFC_SIGNED.tbl
4/23/2018 9:19:26 AM
DC1APP23\$



LINE DATA		
NO.	BEARING	DISTANCE
Y1	S00°07'44"W	1600.00'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
N. POLICHETTI
DRAWN BY
N. POLICHETTI
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
01/26/2018



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

ROADWAY SEGMENT 2
GRADE SEPARATION LAYOUT
S 8TH AVE (SOUTH OF DOVER)

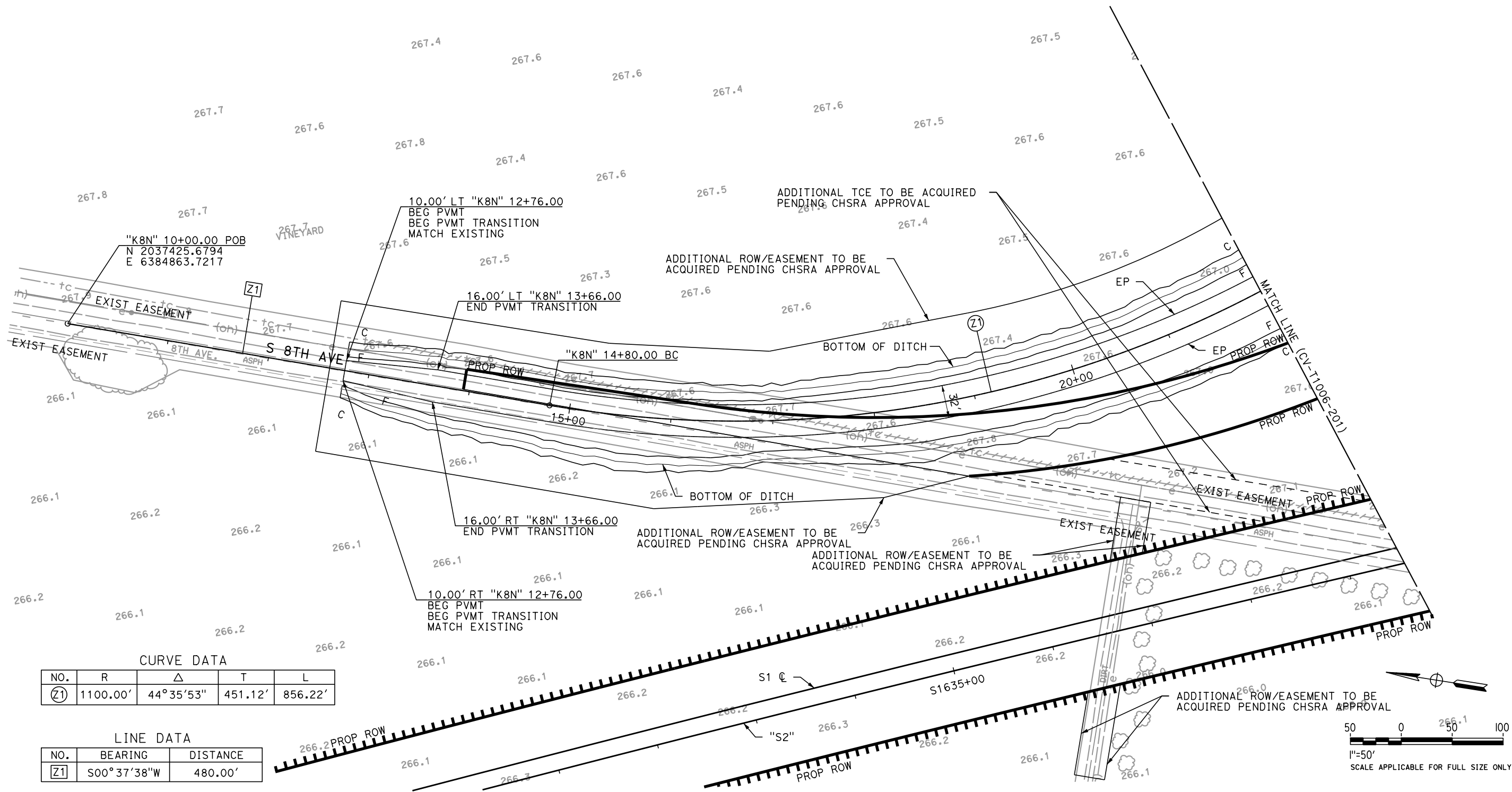
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DRAWING NO.	CV-T1004-201
SCALE	AS SHOWN
SHEET NO.	OF

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iplotdrv.mpl

CAHSR_RFC_SIGNED.tbl

DC1APP23\$ 4/23/2018 9:19:36 AM



CURVE DATA				
NO.	R	Δ	T	L
(Z1)	1100.00'	44°35'53"	451.12'	856.22'

LINE DATA		
NO.	BEARING	DISTANCE
(Z1)	S00°37'38"W	480.00'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
N. POLICHETTI
DRAWN BY
N. POLICHETTI
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
01/26/2018



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

ROADWAY SEGMENT 2
GRADE SEPARATION LAYOUT
S 8TH AVE (NORTH OF DOVER)

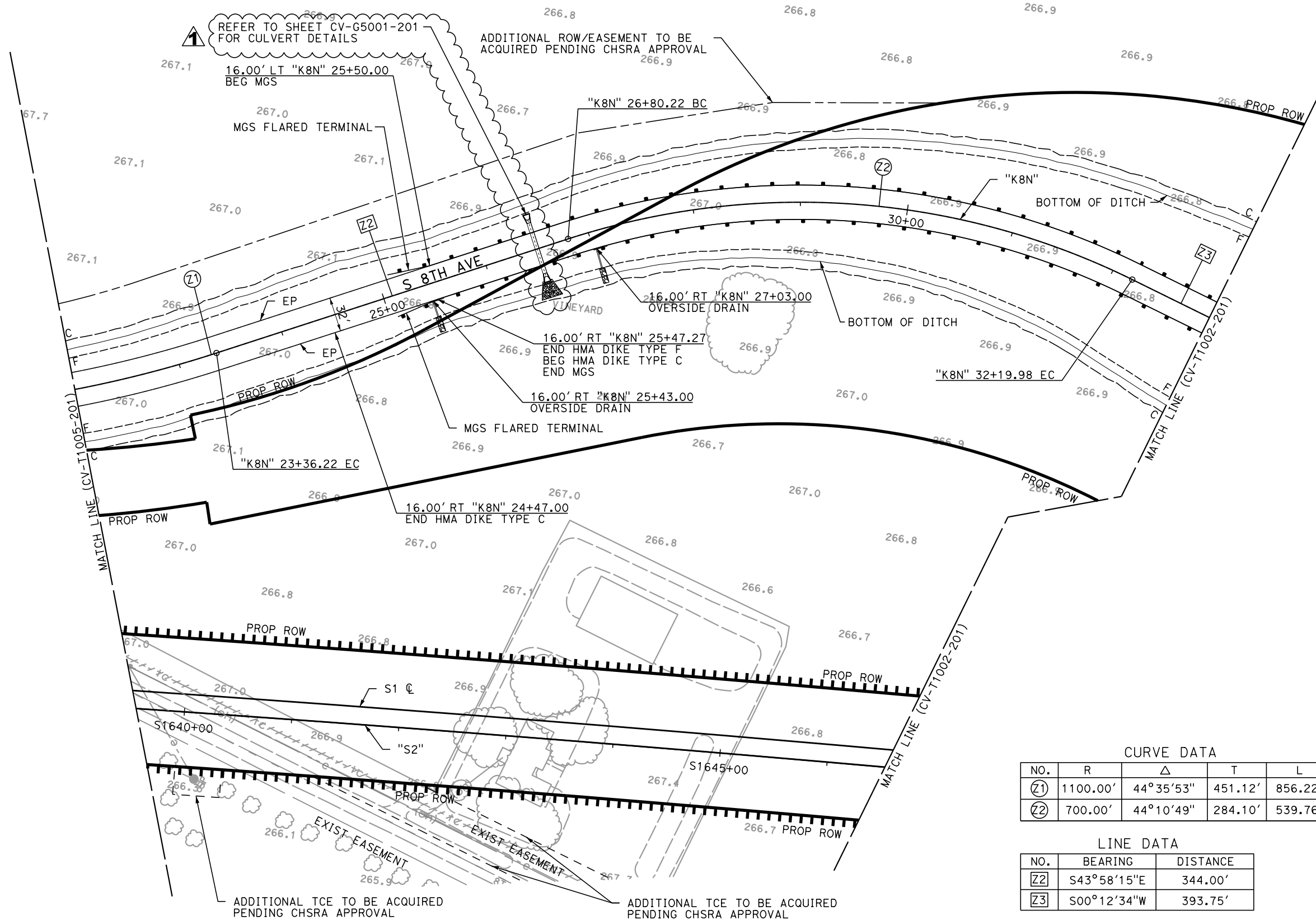
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DRAWING NO.
CV-T1005-201
SCALE
AS SHOWN
SHEET NO.
OF

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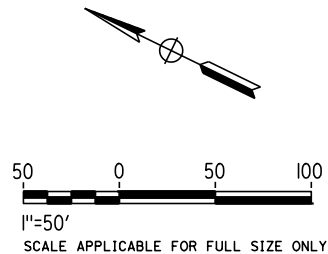
11/26/2018 5:13:57 PM

USL450-APP064\$



CURVE DATA				
NO.	R	Δ	T	L
Z1	1100.00'	44°35'53"	451.12'	856.22'
Z2	700.00'	44°10'49"	284.10'	539.76'

LINE DATA		
NO.	BEARING	DISTANCE
Z2	S43°58'15"E	344.00'
Z3	S00°12'34"W	393.75'



REV	DATE	BY	CHK	APP	DESCRIPTION
1	10/10/18	DS	JB	GF	NDC 042 - CULVERT RELOCATED

DESIGNED BY
N. POLICETTI
DRAWN BY
N. POLICETTI
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
01/26/2018

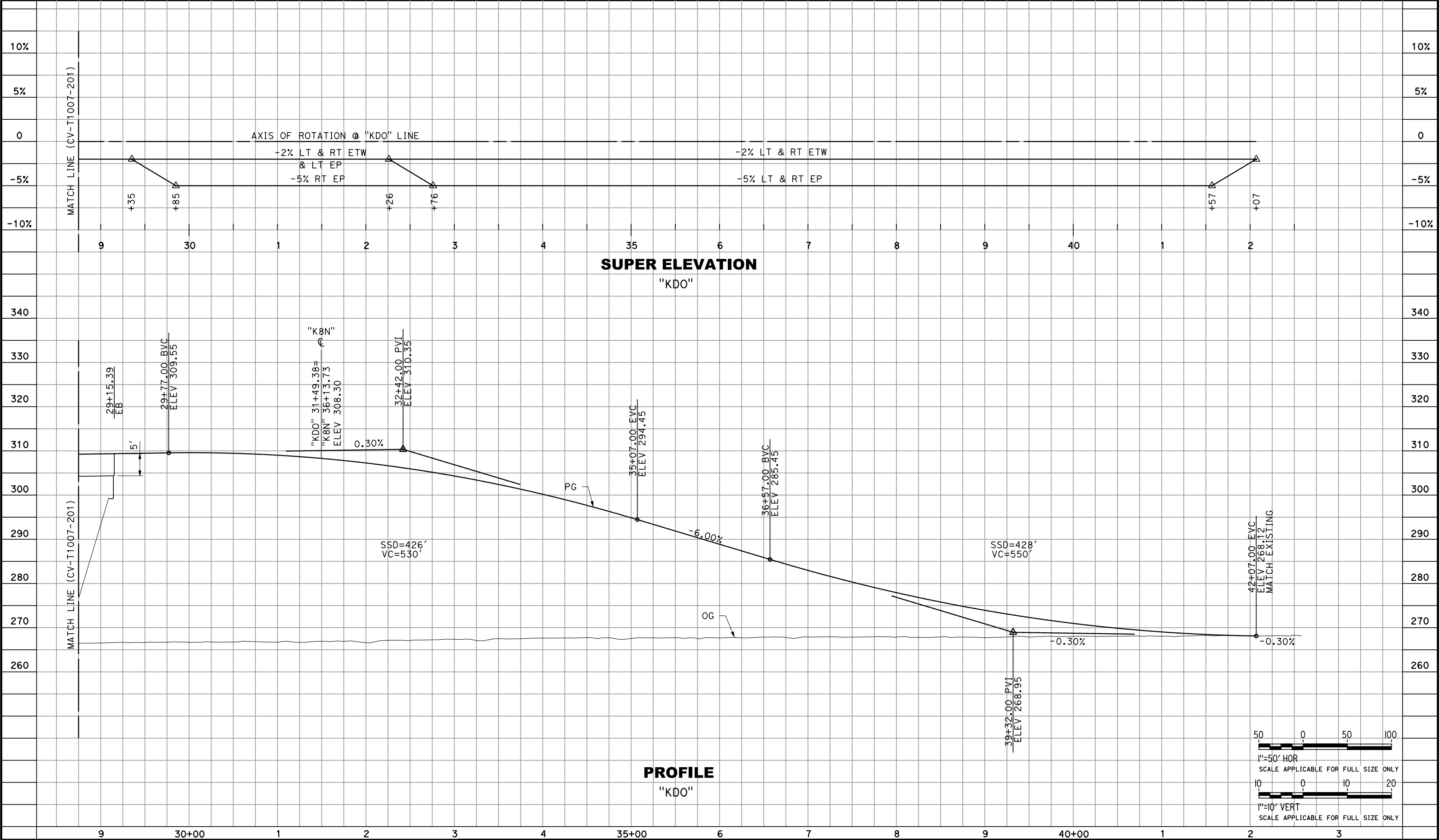


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**
ROADWAY SEGMENT 2
GRADE SEPARATION LAYOUT
S 8TH AVE (NORTH OF DOVER)

CONTRACT NO.
HSR 13-57
DRAWING NO.
CV-T1006-201
SCALE
AS SHOWN
SHEET NO.
OF



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iplotdrv.m.plt
CAHSRP_RFC_SIGNED.tbl
4/23/2018 9:18:20 AM
DC1APP23\$



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
N. POLICETTI
DRAWN BY
N. POLICETTI
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
01/26/2018



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**
ROADWAY SEGMENT 2
GRADE SEPARATION PROFILE AND SUPERELEVATION
DOVER AVE

CONTRACT NO.
HSR 13-57
DRAWING NO.
CV-T1008-201
SCALE
AS SHOWN
SHEET NO.
OF

EXHIBIT E2

Profile Plan Drawings

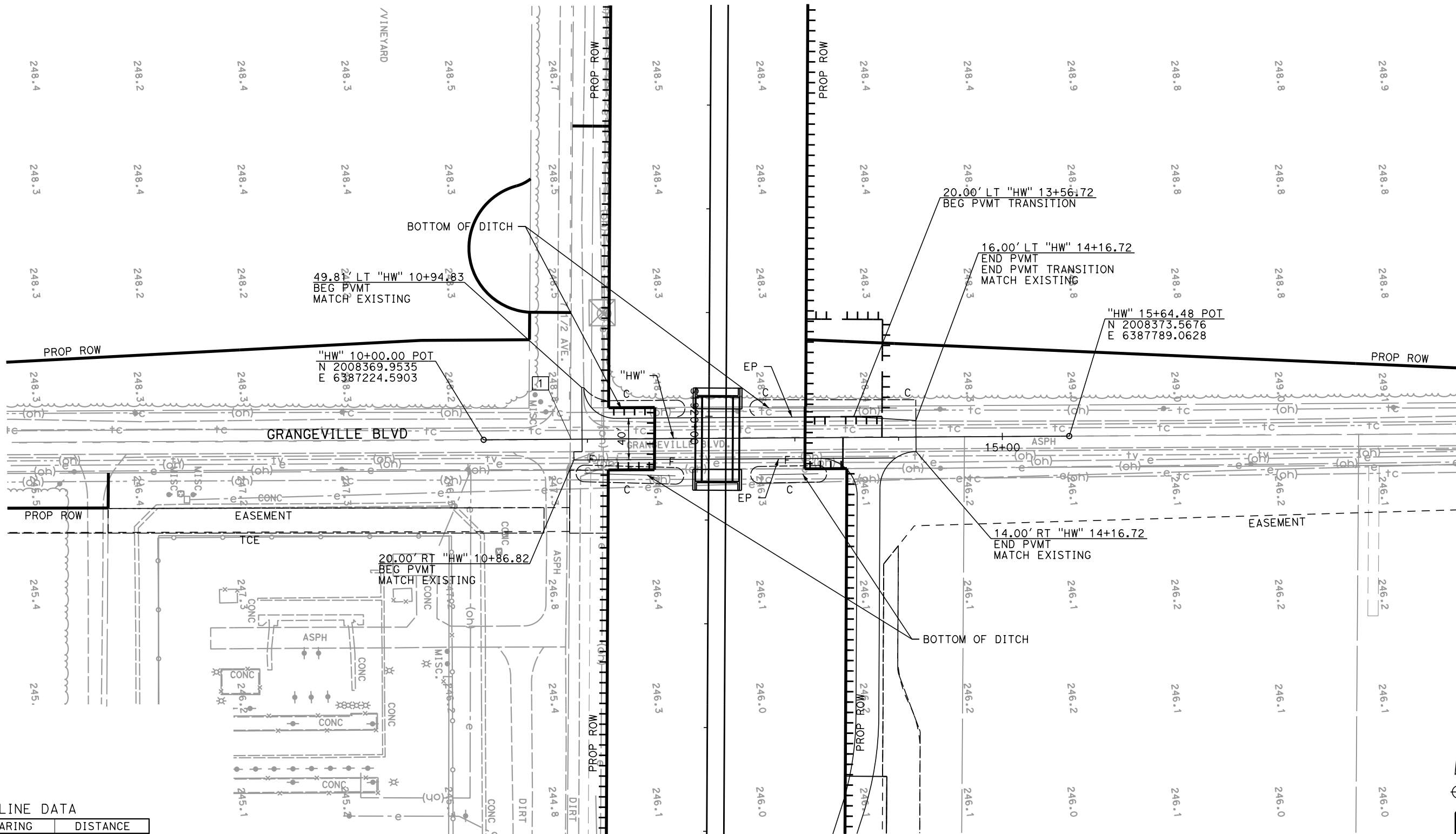
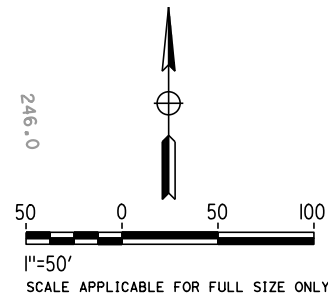
Grangeville Boulevard

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

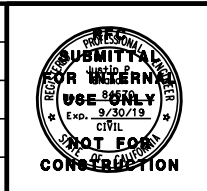
Selma, CA 93662

LINE DATA		
NO.	BEARING	DISTANCE
1	N87°37'59"E	564.48'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BRANCH
DRAWN BY
K. NGUYEN
CHECKED BY
D. SANCHEZ
IN CHARGE
G. FROMM
DATE
03/18/2020



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
GRADE SEPARATION LAYOUT
GRANGEVILLE BLVD

CONTRACT NO.
HSR 13-57
DRAWING NO.
CV-T1001-221
SCALE
AS SHOWN
SHEET NO.
OF



EXHIBIT E3

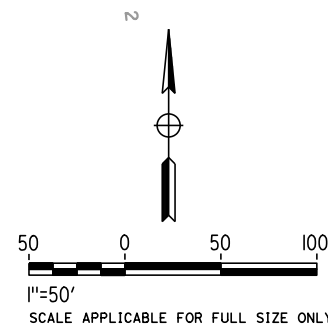
Profile Plan Drawings

Hanford-Armona Road

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662



REV	DATE	BY	CHK	APP	DESCRIPTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CONTRACT NO.	HSR 13-57
DRAWING NO.	CV-T1001-210
SCALE	AS SHOWN
SHEET NO.	OF

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CAHSR_RFC.tbl iplofar-vm.plt

3/28/2019 9:21:24 AM

USL450-APP064\$

ADDITIONAL TCE TO BE ACQUIRED
PENDING CHSRA APPROVAL

57.00' LT "KHA" 27+05.88
END HMA DIKE TYPE F
END MGS
TRANSITION RAILING

57.00' LT "KHA" 26+80.00
OVERSIDE DRAIN

57.00' LT "KHA" 26+77.00
BEG HMA DIKE TYPE F
BEG PVMT

ADDITIONAL ROW/EASEMENT TO BE
ACQUIRED PENDING CHSRA APPROVAL

21.00' LT "KHA" 26+77.00
BEG CONCRETE BARRIER
TYPE 60

PROP ROW

F
BOTTOM OF DITCH

57.00' LT "KHA" 26+05.88
BEG MGS
MGS FLARED TERMINAL

EXIST EASEMENT

25+00

20.00' LT "KHA" 26+78.13
END MGS
TRANSITION RAILING

"KHA" 27+20.50 BB

PROP ROW

F
BOTTOM OF DITCH

20.00' RT "KHA" 27+05.88
END HMA DIKE TYPE F
END MGS
TRANSITION RAILING

ADDITIONAL ROW/EASEMENT TO BE
ACQUIRED PENDING CHSRA APPROVAL

ADDITIONAL TCE TO BE ACQUIRED
PENDING CHSRA APPROVAL

SEE LAKESIDE DITCH COMPANY
IRRIGATION PLANS
FOR CULVERT DETAILS

LINE DATA

NO.	BEARING	DISTANCE
1	S89°49'52"E	3500.00'

"KHA" 28+16.75 POT=
"S2" 2026+07.03 POT

S-OH-224.9

57.00' LT "KHA" 29+44.13
BEG HMA DIKE TYPE F
BEG MGS
TRANSITION RAILING

57.00' LT "KHA" 29+55.00
OVERSIDE DRAIN

57.00' LT "KHA" 29+58.00
END HMA DIKE TYPE F
END PVMT

21.00' LT "KHA" 29+58.00
END CONCRETE BARRIER TYPE 60

57.00' LT "KHA" 30+44.13
END MGS
MGS FLARED TERMINAL

BAKER ACCESS RD

HANFORD ARMONA RD

EXIST EASEMENT
20.00' LT "KHA" 29+56.87
BEG MGS
TRANSITION RAILING

PROP ROW
20.00' RT "KHA" 29+44.13
BEG HMA DIKE TYPE F
BEG MGS
TRANSITION RAILING

"KHA" 29+29.50 EB

ADDITIONAL ROW/EASEMENT TO BE
ACQUIRED PENDING CHSRA APPROVAL

BOTTOM OF DITCH

SEE SHEET
CV-G5001-210
FOR CULVERT
DETAILS

PROP ROW

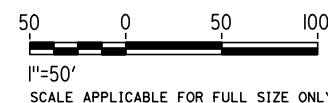
EXIST EASEMENT

EXIST EASEMENT

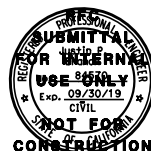
PROP ROW

20.00' RT "KHA" 37+31.63
END HMA DIKE TYPE F
BEG HMA DIKE TYPE C
END MGS
END ANCHOR

ADDITIONAL ROW/EASEMENT TO BE
ACQUIRED PENDING CHSRA APPROVAL



DESIGNED BY
A. VU
DRAWN BY
T. WANG
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
07/12/2018



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

ROADWAY SEGMENT 2
GRADE SEPARATION LAYOUT
HANFORD ARMONA RD

CONTRACT NO.
HSR 13-57
DRAWING NO.
CV-T1002-210
SCALE
AS SHOWN
SHEET NO.
OF

REV	DATE	BY	CHK	APP	DESCRIPTION
Δ	03/27/19	DS	JB	GF	NDC 043 - DRAINAGE CULVERT SHIFTED

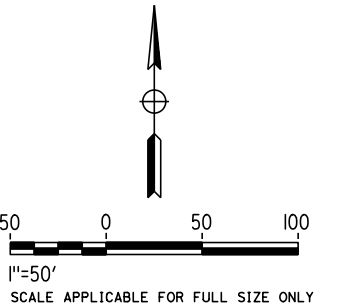
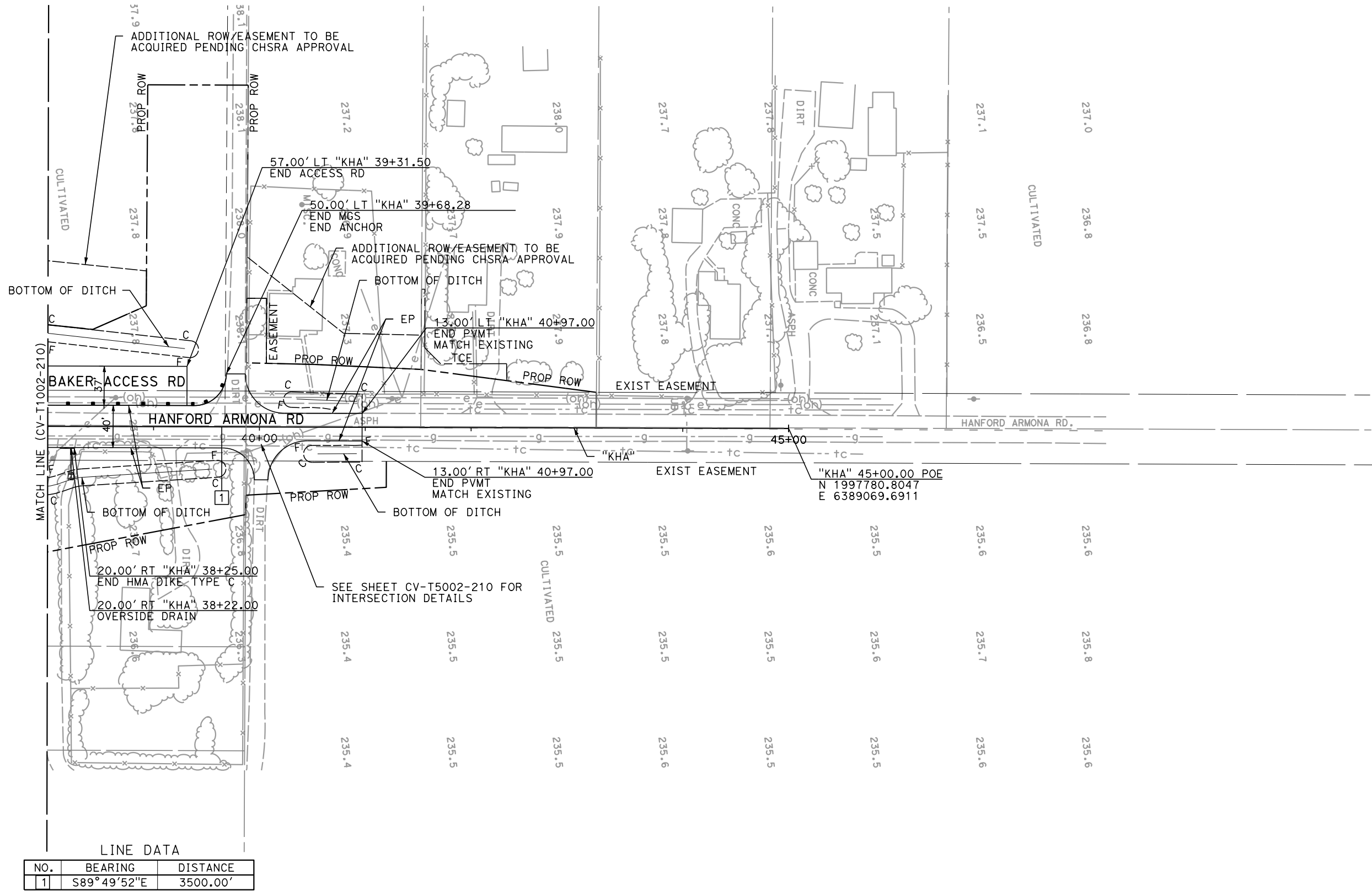
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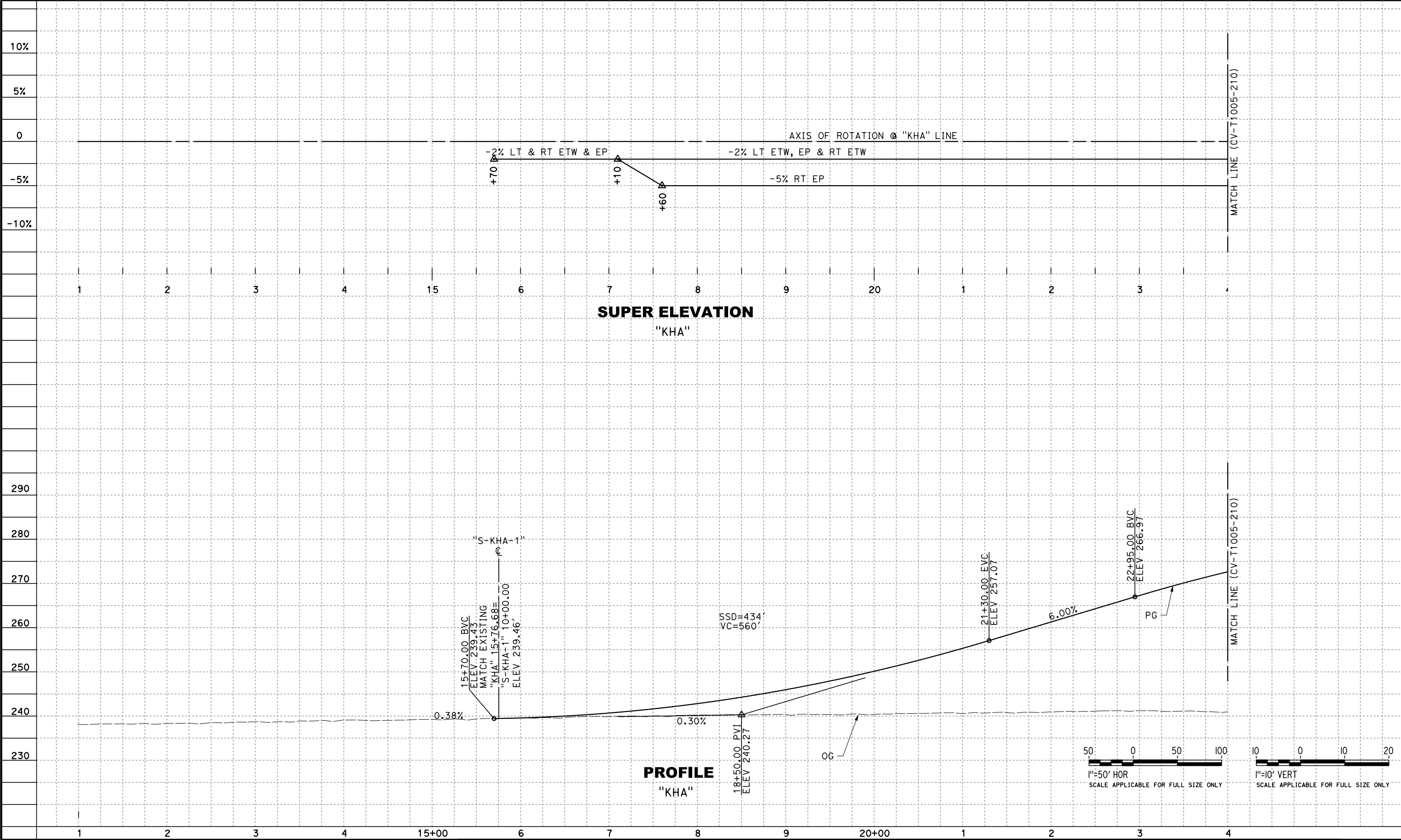
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. VU
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/01/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT	
FB - CONSTRUCTION PACKAGE 2-3	
ROADWAY SEGMENT 2	
GRADE SEPARATION LAYOUT	
HANFORD ARMONA RD	
CONTRACT NO. HSR 13-57	DRAWING NO. CV-T1003-210
SCALE AS SHOWN	SHEET NO. OF

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DC1APP23\$



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. VU
DRAWN BY
T. WANG
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
12/01/2017



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**
ROADWAY SEGMENT 2
GRADE SEPARATION PROFILE AND SUPERELEVATION
HANFORD ARMONA RD

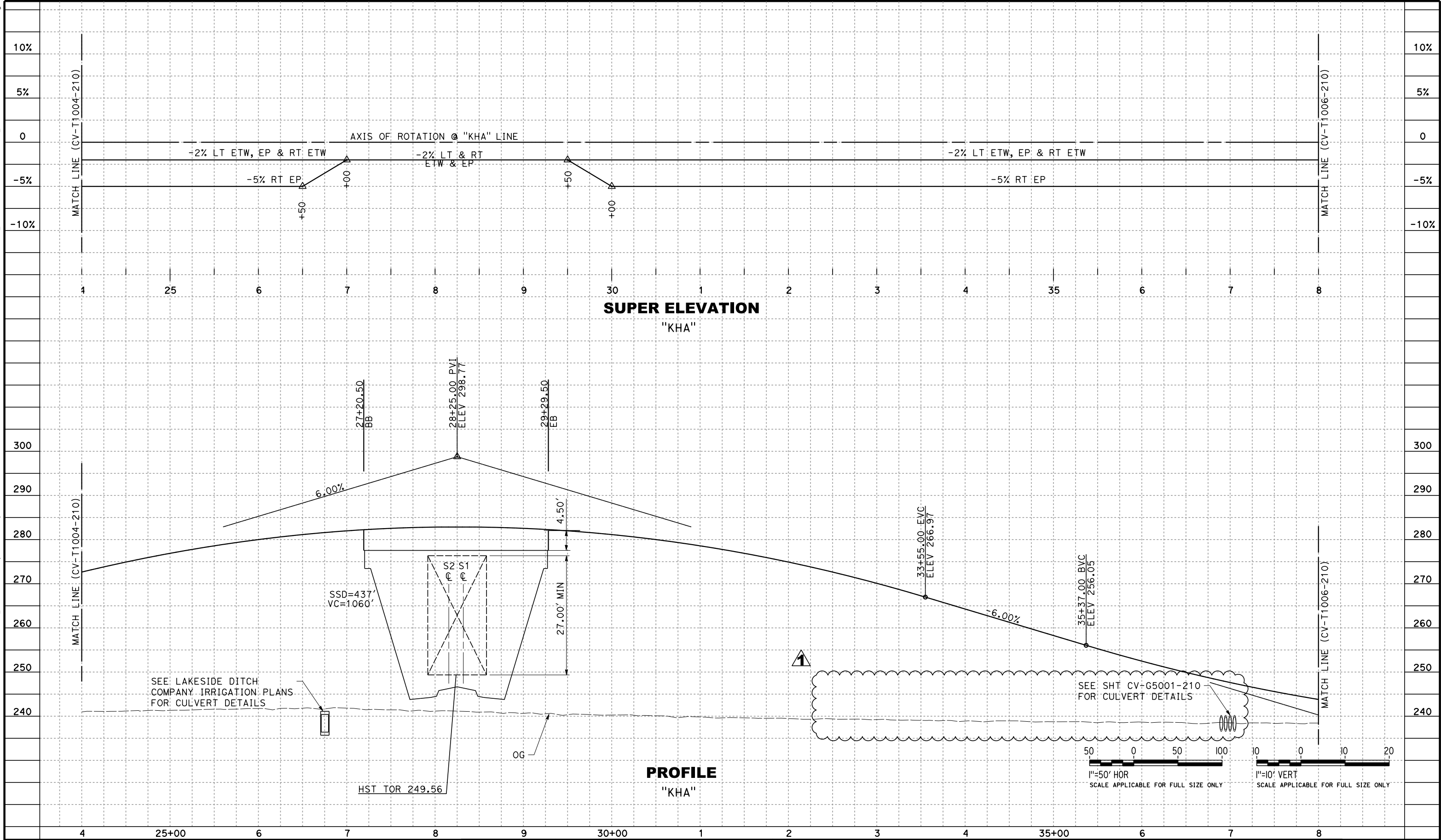
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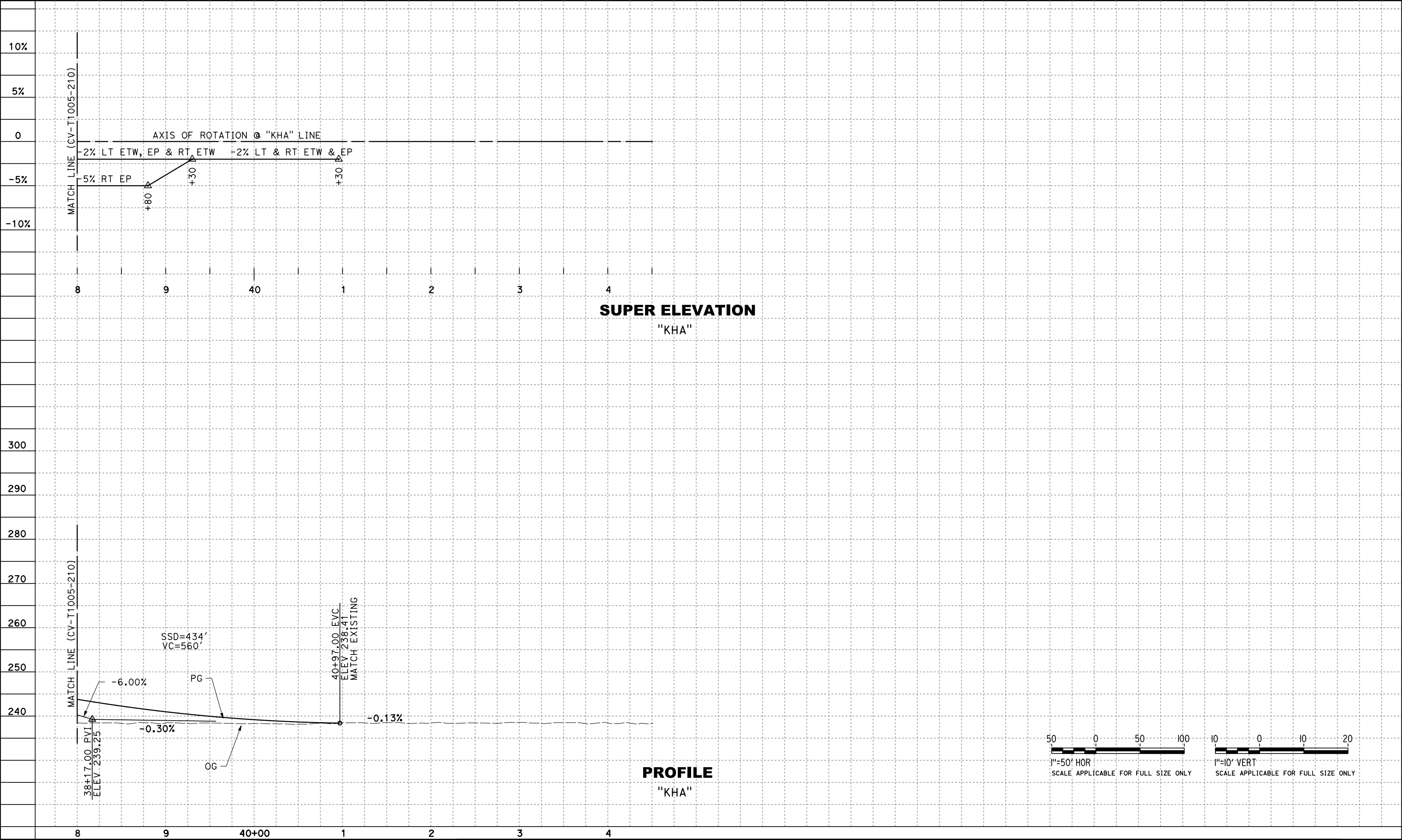
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. VU
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/01/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
GRADE SEPARATION PROFILE AND SUPERELEVATION
HANFORD ARMONA RD

CONTRACT NO. HSR 13-57
DRAWING NO. CV-T1006-210
SCALE AS SHOWN
SHEET NO. OF

EXHIBIT E4

Profile Plan Drawings

Houston Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

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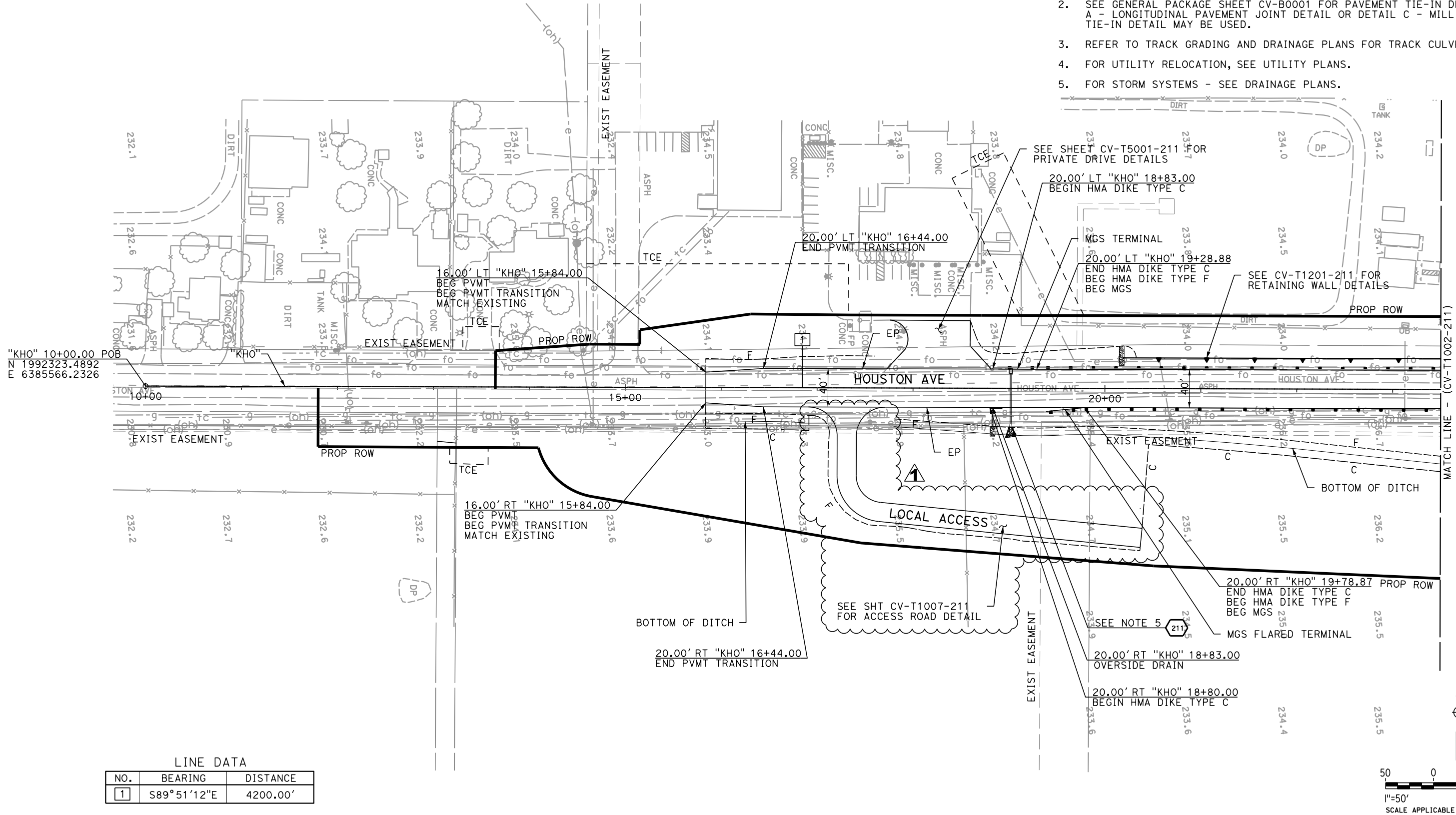
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NOTES:

1. SEE GENERAL PACKAGE SHEET CV-B0050 FOR CONSTRUCTION NOTE TABLE.
2. SEE GENERAL PACKAGE SHEET CV-B0001 FOR PAVEMENT TIE-IN DETAIL. DETAIL A - LONGITUDINAL PAVEMENT JOINT DETAIL OR DETAIL C - MILL & OVERLAY TIE-IN DETAIL MAY BE USED.
3. REFER TO TRACK GRADING AND DRAINAGE PLANS FOR TRACK CULVERT DETAILS.
4. FOR UTILITY RELOCATION, SEE UTILITY PLANS.
5. FOR STORM SYSTEMS - SEE DRAINAGE PLANS.



LINE DATA		
NO.	BEARING	DISTANCE
1	S89°51'12"E	4200.00'

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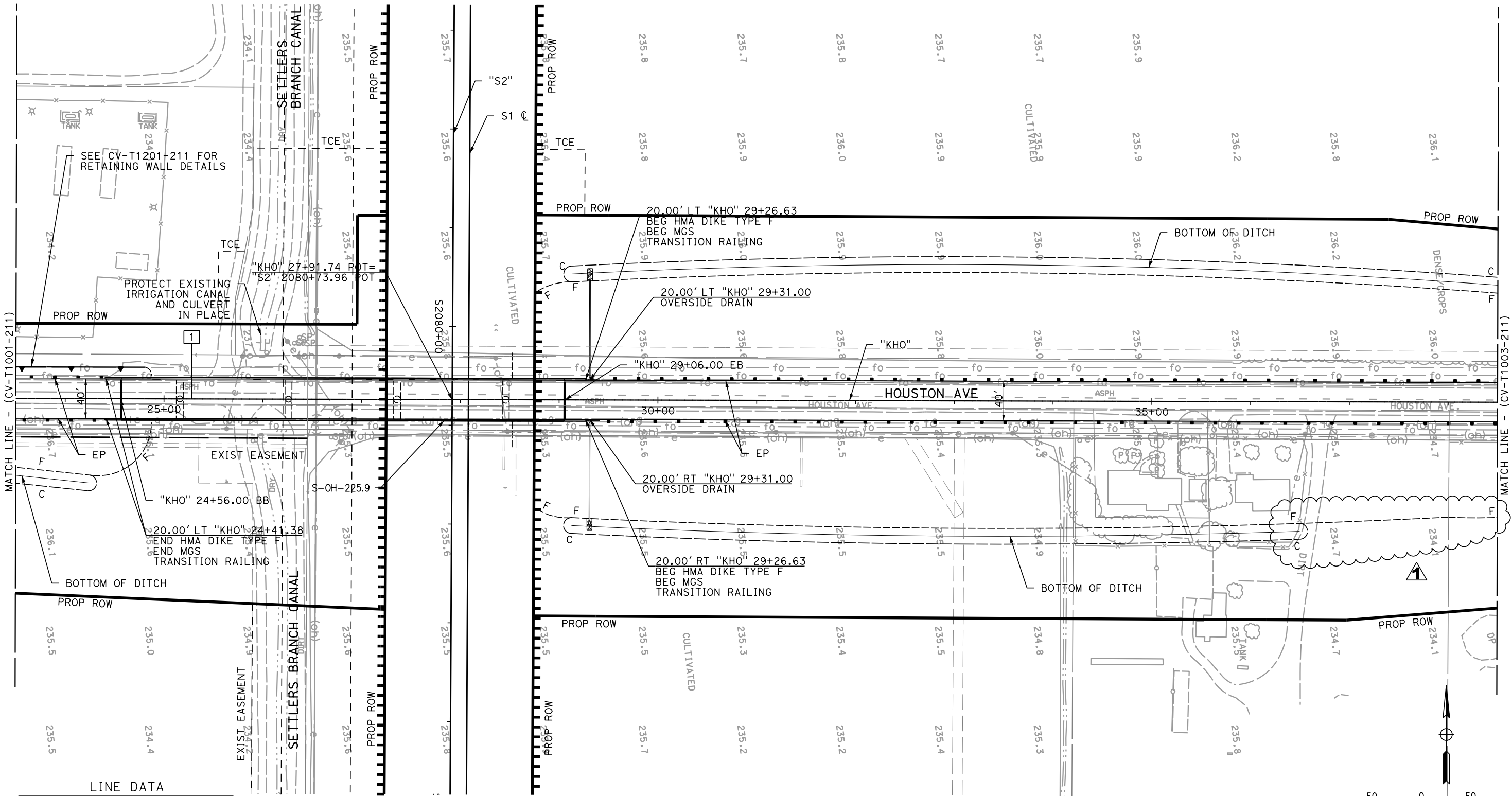
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DRAWN BY P. QUACH
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 10/25/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3

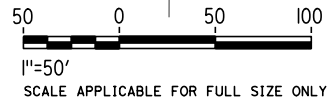
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GRADE SEPARATION LAYOUT
HOUSTON AVE

CONTRACT NO. HSR 13-57
DRAWING NO. CV-T1001-211
SCALE AS SHOWN
SHEET NO. OF



LINE DATA

NO.	BEARING	DISTANCE
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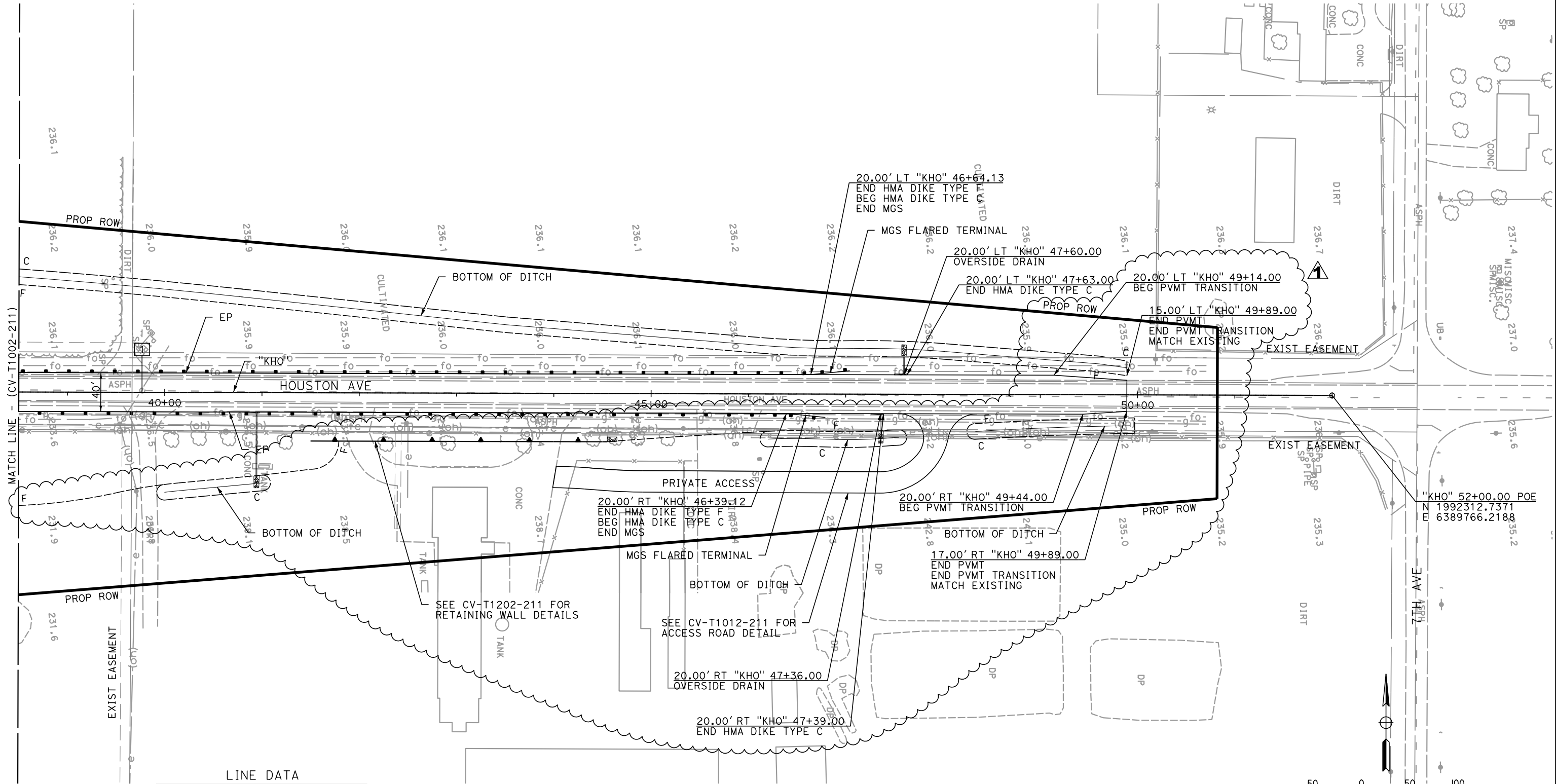
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DRAWN BY P. QUACH
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 10/25/2017



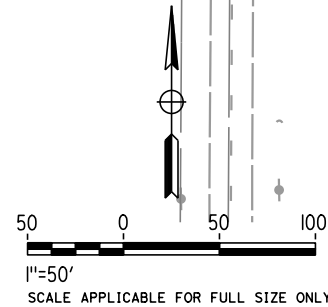
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FB - CONSTRUCTION PACKAGE 2-3

ROADWAY SEGMENT 2
GRADE SEPARATION LAYOUT
HOUSTON AVE

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DRAWING NO. CV-T1002-211
SCALE AS SHOWN
SHEET NO. OF



LINE DATA		
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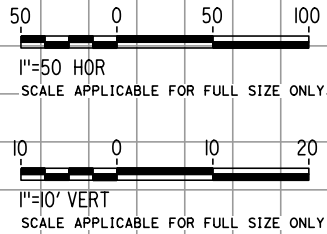
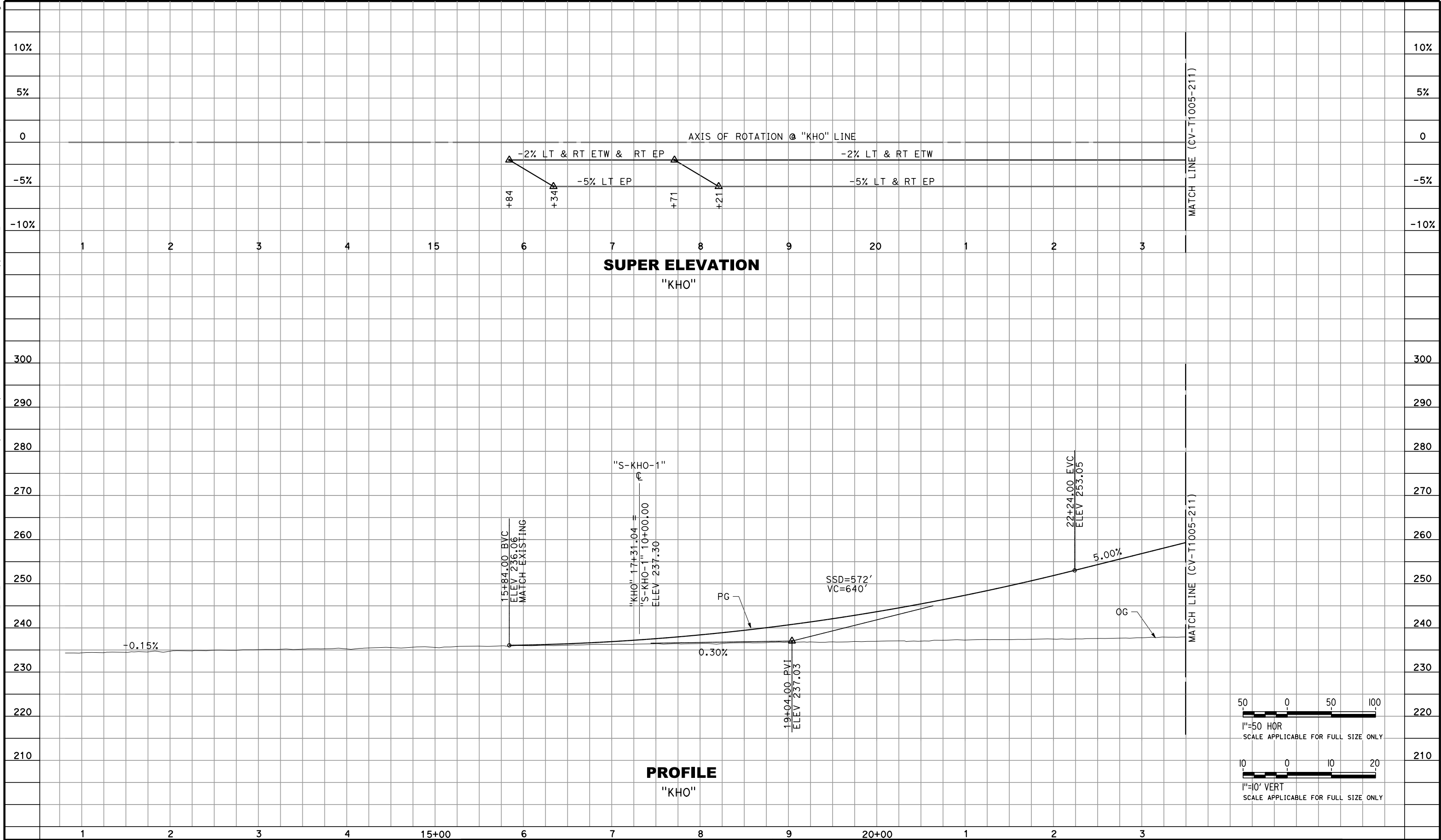
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DRAWN BY P. QUACH
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 10/25/2017



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**
ROADWAY SEGMENT 2
GRADE SEPARATION LAYOUT
HOUSTON AVE

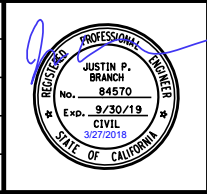
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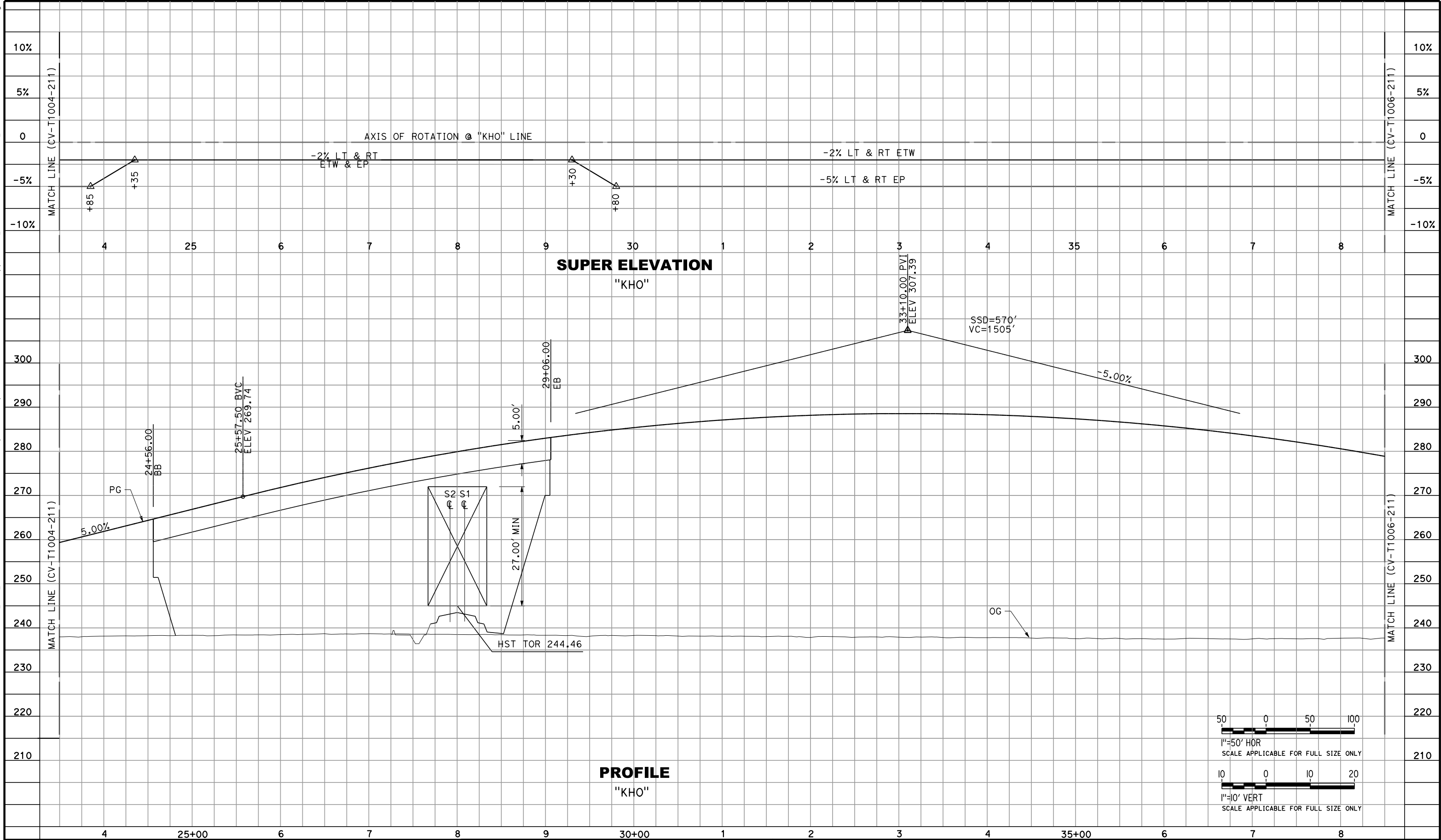
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A. VU
DRAWN BY
P. QUACH
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
10/25/2017



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**
ROADWAY SEGMENT 2
GRADE SEPARATION PROFILE AND SUPERELEVATION
HOUSTON AVE

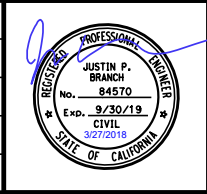
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. VU
DRAWN BY
P. QUACH
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
10/25/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
GRADE SEPARATION PROFILE AND SUPERELEVATION
HOUSTON AVE

CONTRACT NO.
HSR 13-57
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SCALE
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OF



EXHIBIT E5

Profile Plan Drawings

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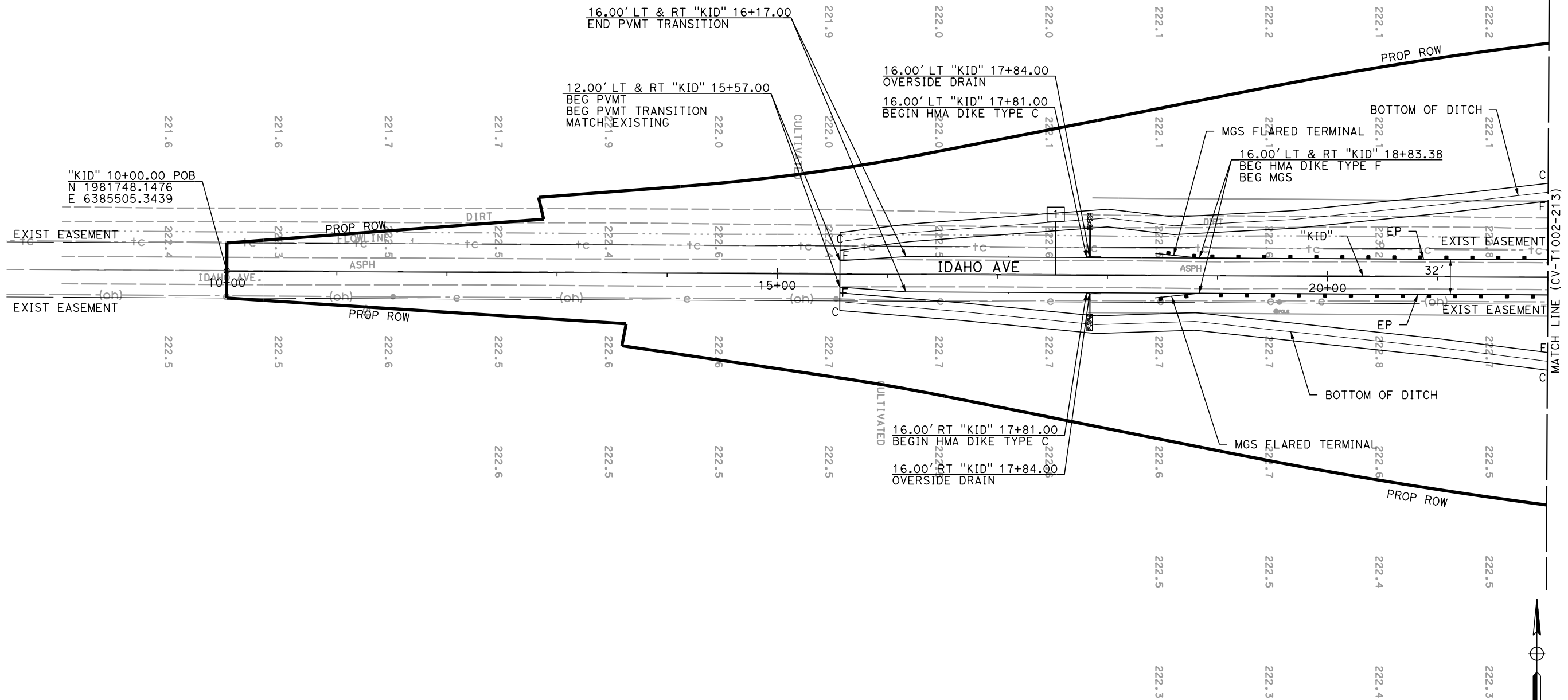
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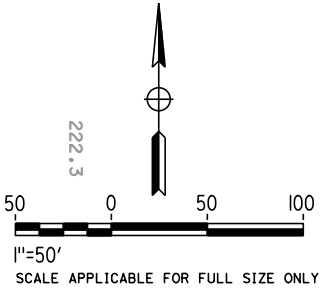
Selma, CA 93662

NOTES:

1. SEE GENERAL PACKAGE SHEET CV-B0050 FOR CONSTRUCTION NOTE TABLE.
2. SEE GENERAL PACKAGE SHEET CV-B0001 FOR PAVEMENT TIE-IN DETAIL. DETAIL A - LONGITUDINAL PAVEMENT JOINT DETAIL OR DETAIL C - MILL & OVERLAY TIE-IN DETAIL MAY BE USED.
3. REFER TO TRACK GRADING AND DRAINAGE PLANS FOR TRACK CULVERT DETAILS.
4. FOR UTILITY RELOCATION, SEE UTILITY SHEETS.

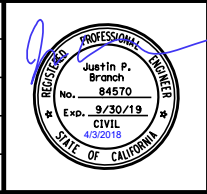


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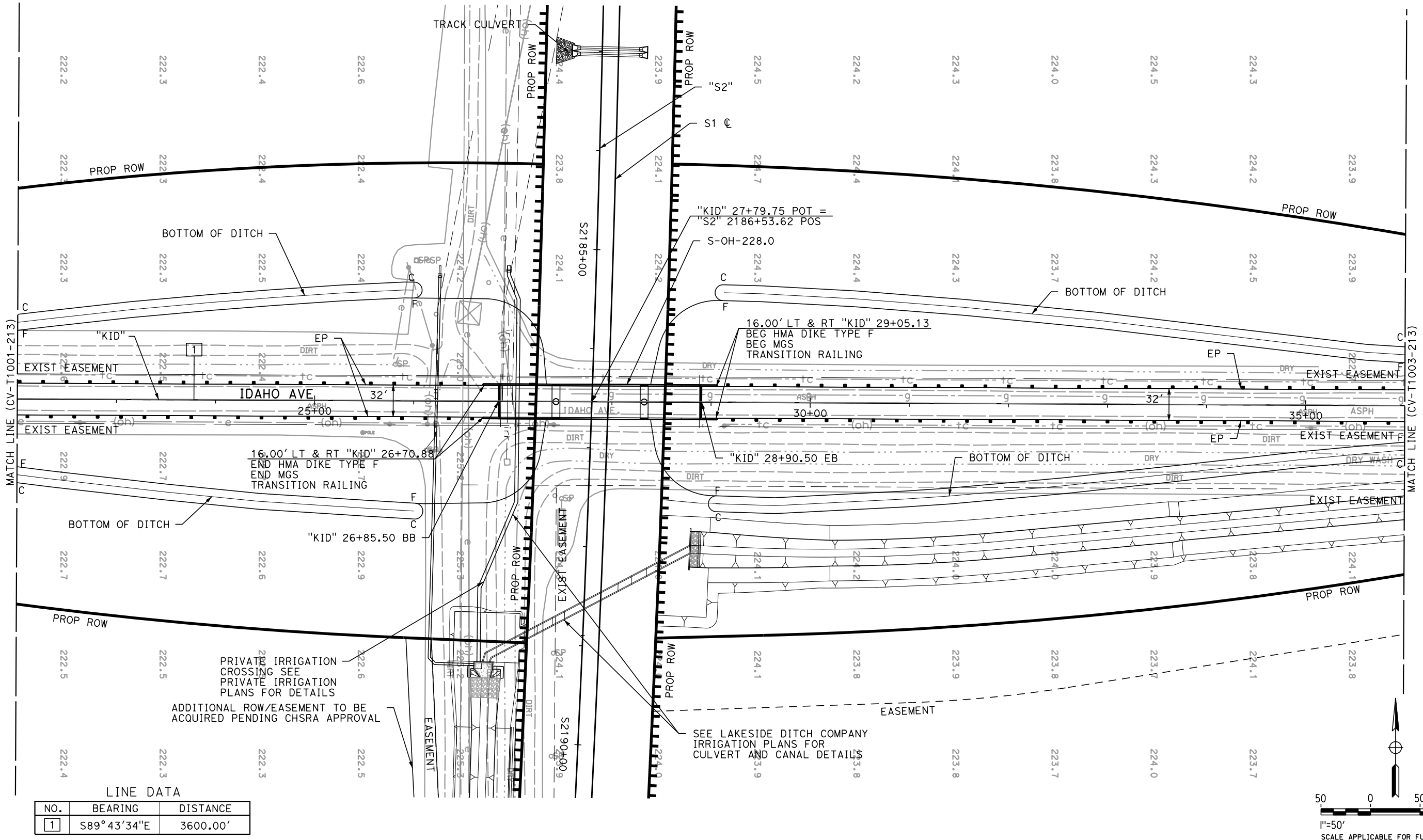
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DESIGNED BY A. VU
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/15/2017



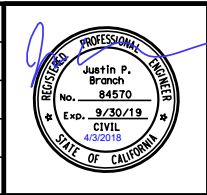
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FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
GRADE SEPARATION LAYOUT
IDAHO AVE

CONTRACT NO. HSR 13-57
DRAWING NO. CV-T1001-213
SCALE AS SHOWN
SHEET NO. OF



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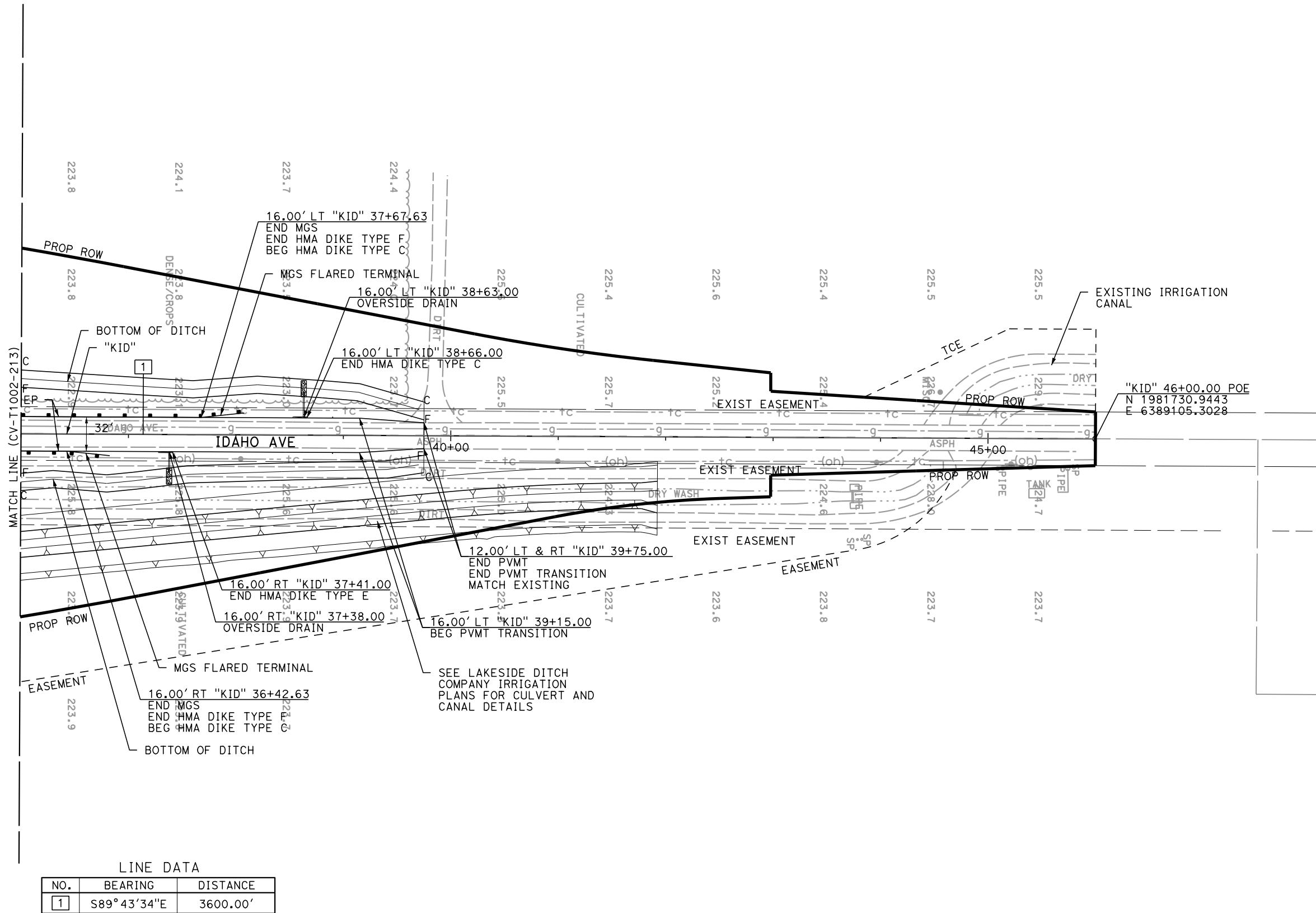
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DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/15/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT FB - CONSTRUCTION PACKAGE 2-3	
ROADWAY SEGMENT 2 GRADE SEPARATION LAYOUT IDAHO AVE	

CONTRACT NO. HSR 13-57
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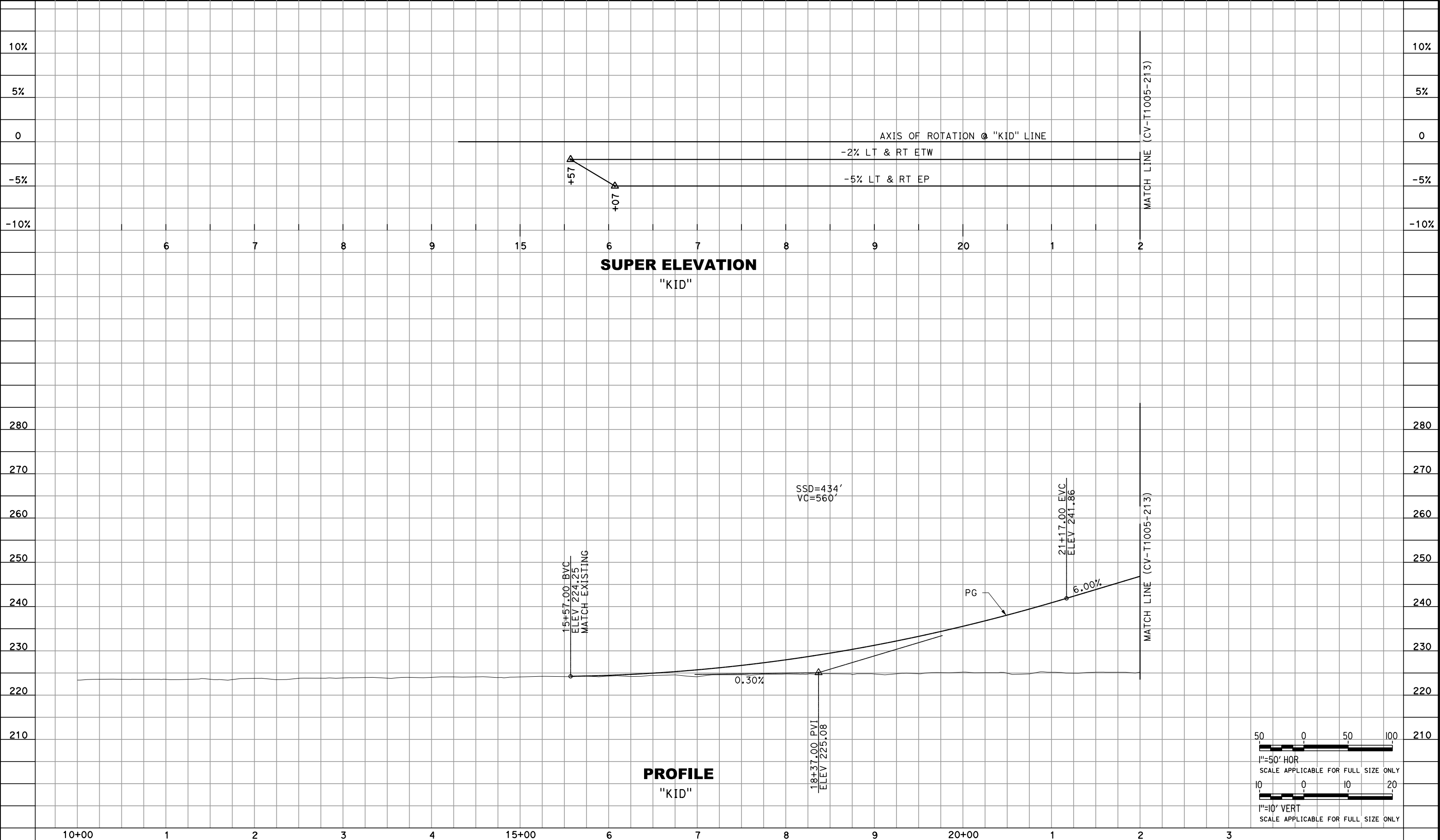
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IN CHARGE R. TREVETT
DATE 12/15/2017



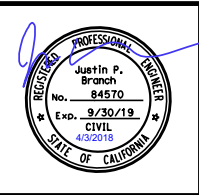
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. VU
DRAWN BY
T. WANG
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
12/15/2017



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**
ROADWAY SEGMENT 2
GRADE SEPARATION PROFILE AND SUPPERELEVATION
IDAHO AVE

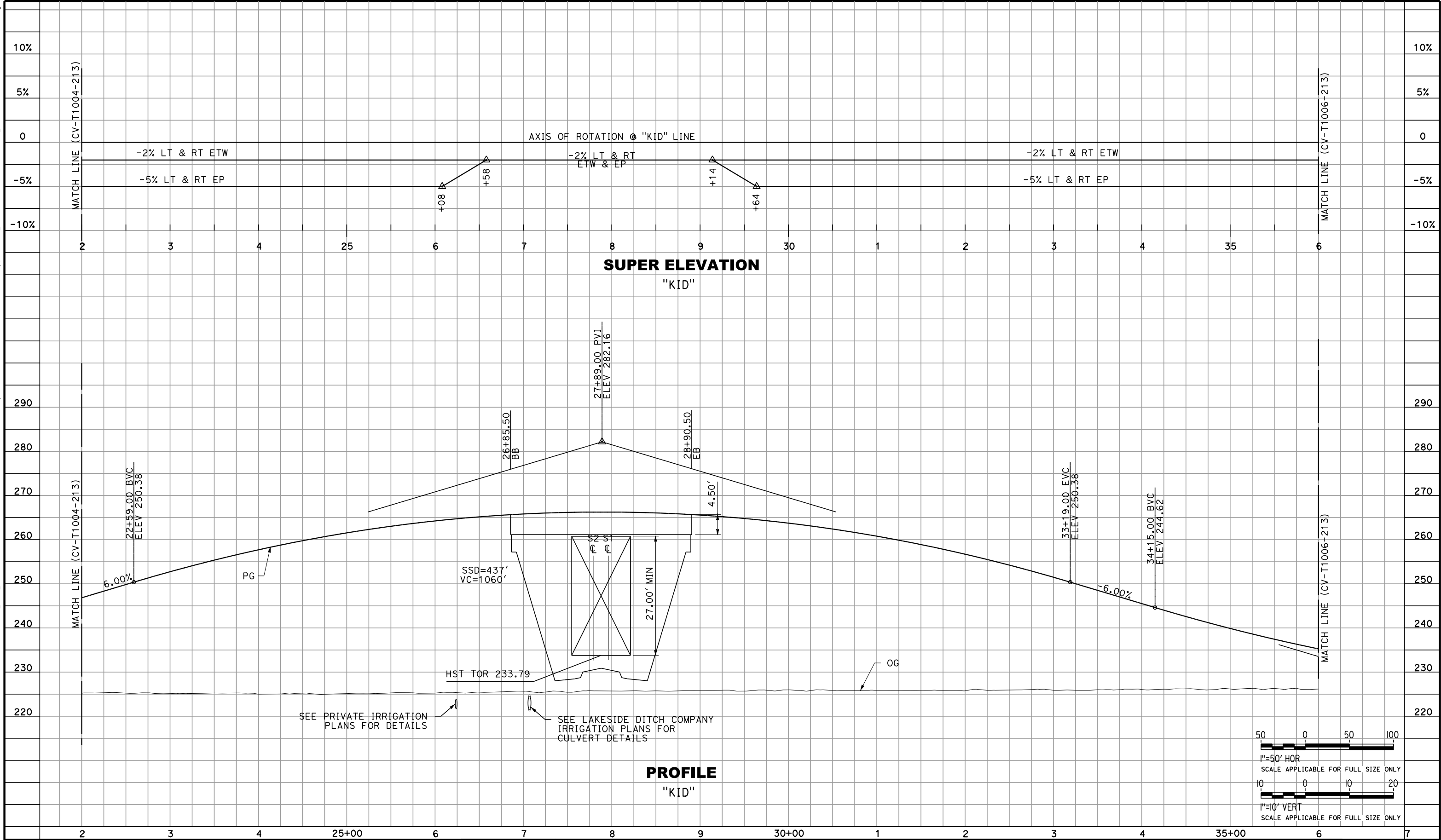
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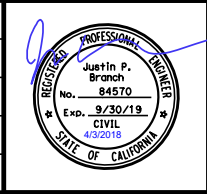
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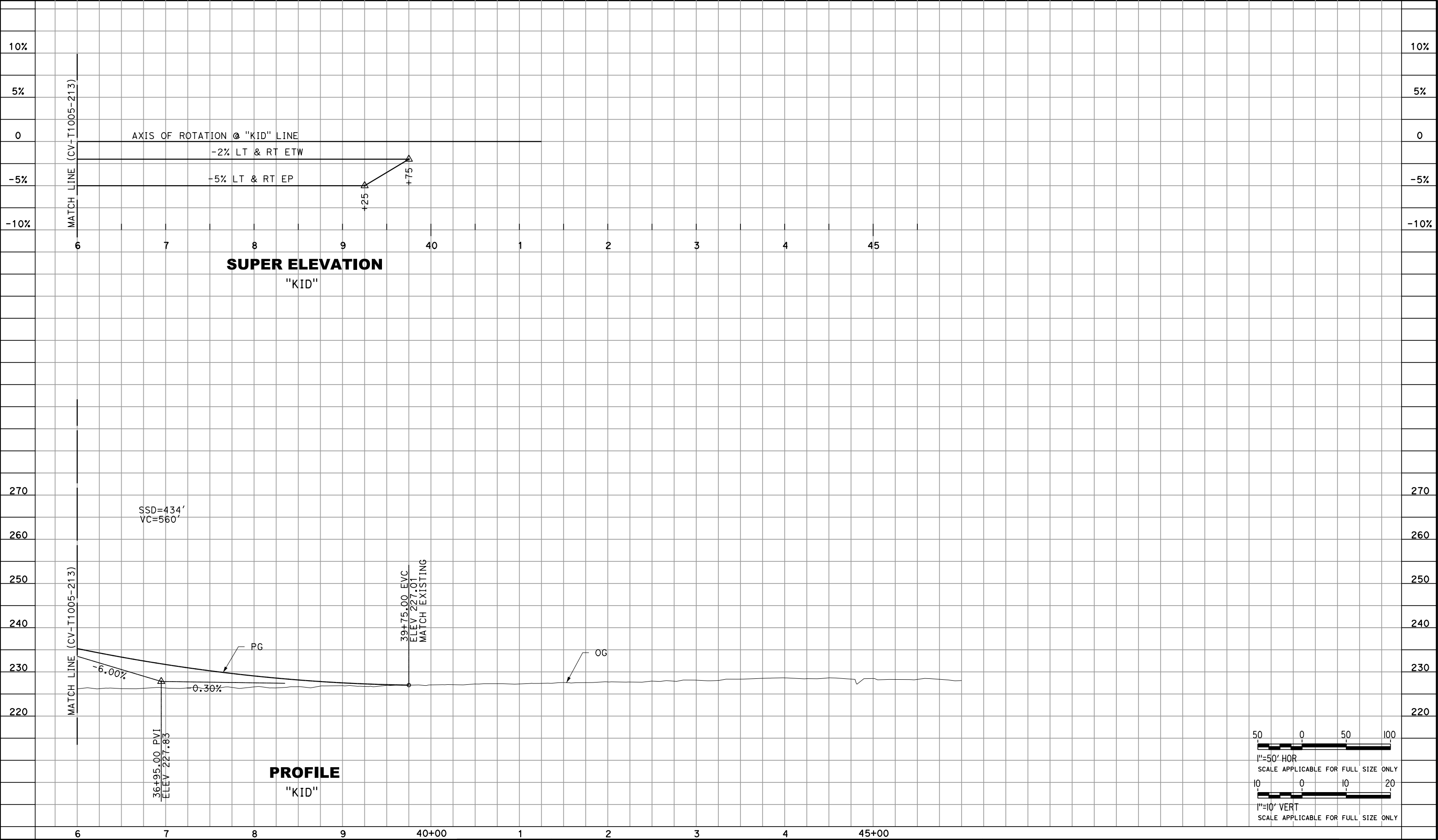
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A. VU
DRAWN BY
T. WANG
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
12/15/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
GRADE SEPARATION PROFILE AND SUPPERELEVATION
IDAHO AVE

CONTRACT NO.
HSR 13-57
DRAWING NO.
CV-T1005-213
SCALE
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SHEET NO.
OF

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. VU
DRAWN BY
T. WANG
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
12/15/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
GRADE SEPARATION PROFILE AND SUPPERELEVATION
IDAHO AVE

CONTRACT NO.
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DRAWING NO.
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SCALE
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OF

EXHIBIT E6

Profile Plan Drawings

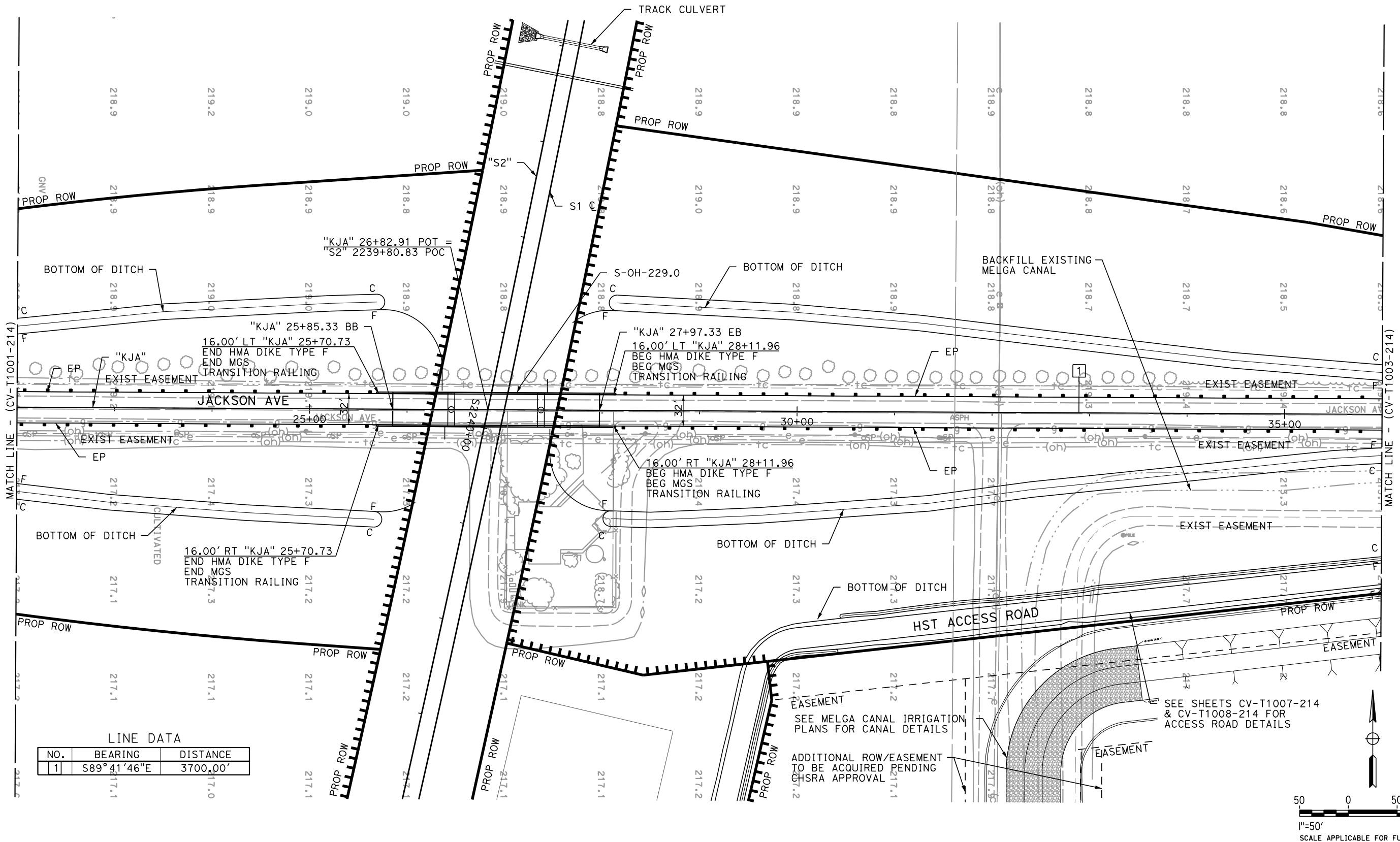
Jackson Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

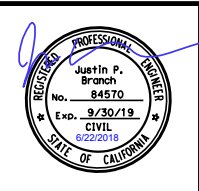
Selma, CA 93662

CONTRACT NO.	HSR 13-57
DRAWING NO.	CV-T1001-214
SCALE	AS SHOWN
SHEET NO.	OF



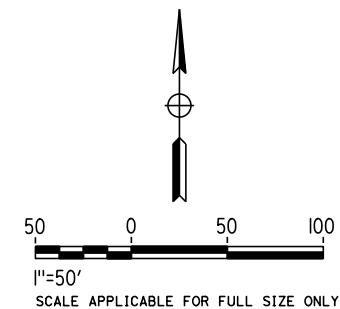
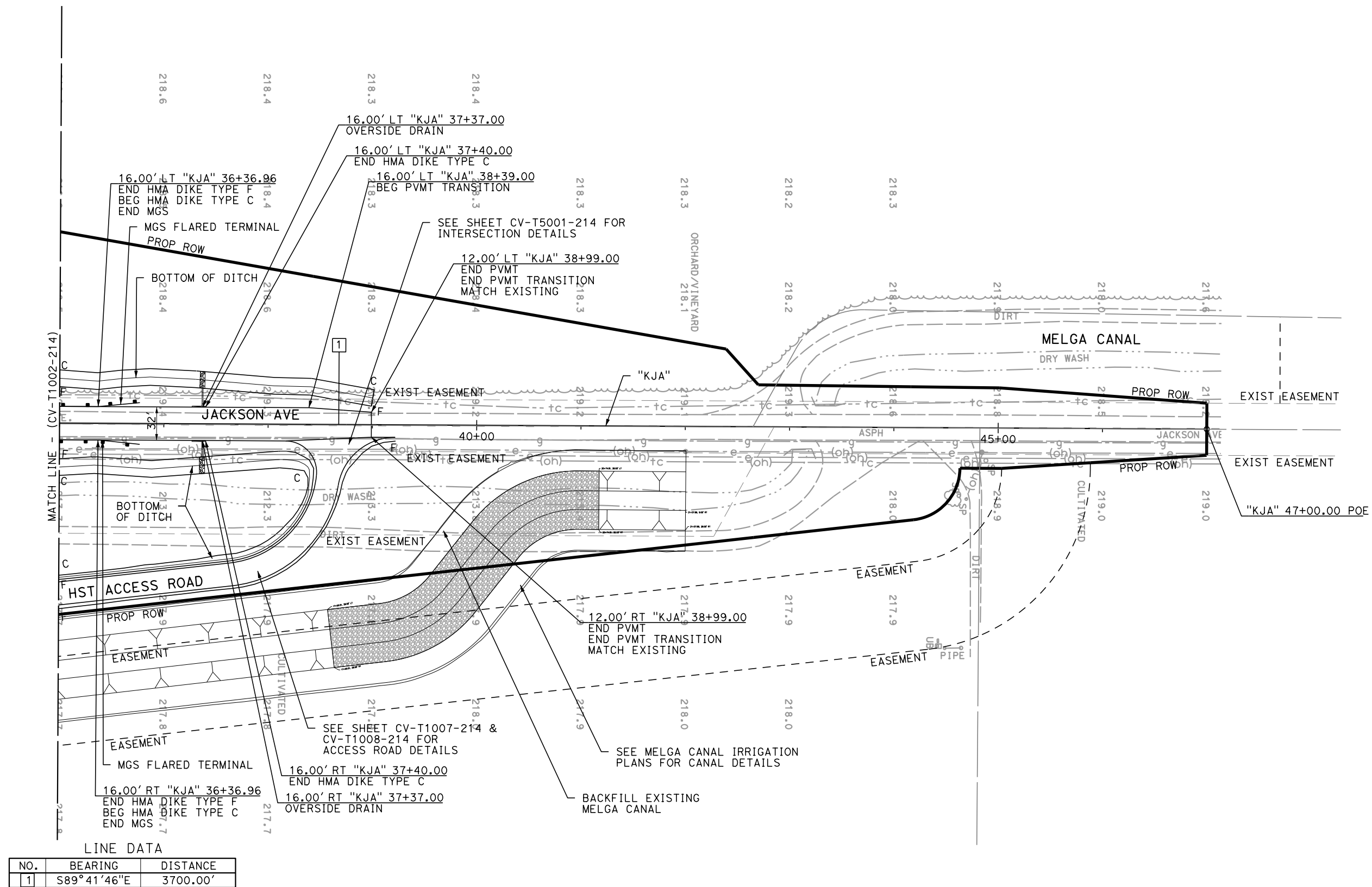
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
N. POLICETTI
DRAWN BY
N. POLICETTI
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
06/19/2018



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**
ROADWAY SEGMENT 2
GRADE SEPARATION LAYOUT
JACKSON AVE

CONTRACT NO.
HSR 13-57
DRAWING NO.
CV-T1002-214
SCALE
AS SHOWN
SHEET NO.
OF



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY N. POLICETTI
DRAWN BY N. POLICETTI
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 06/19/2018

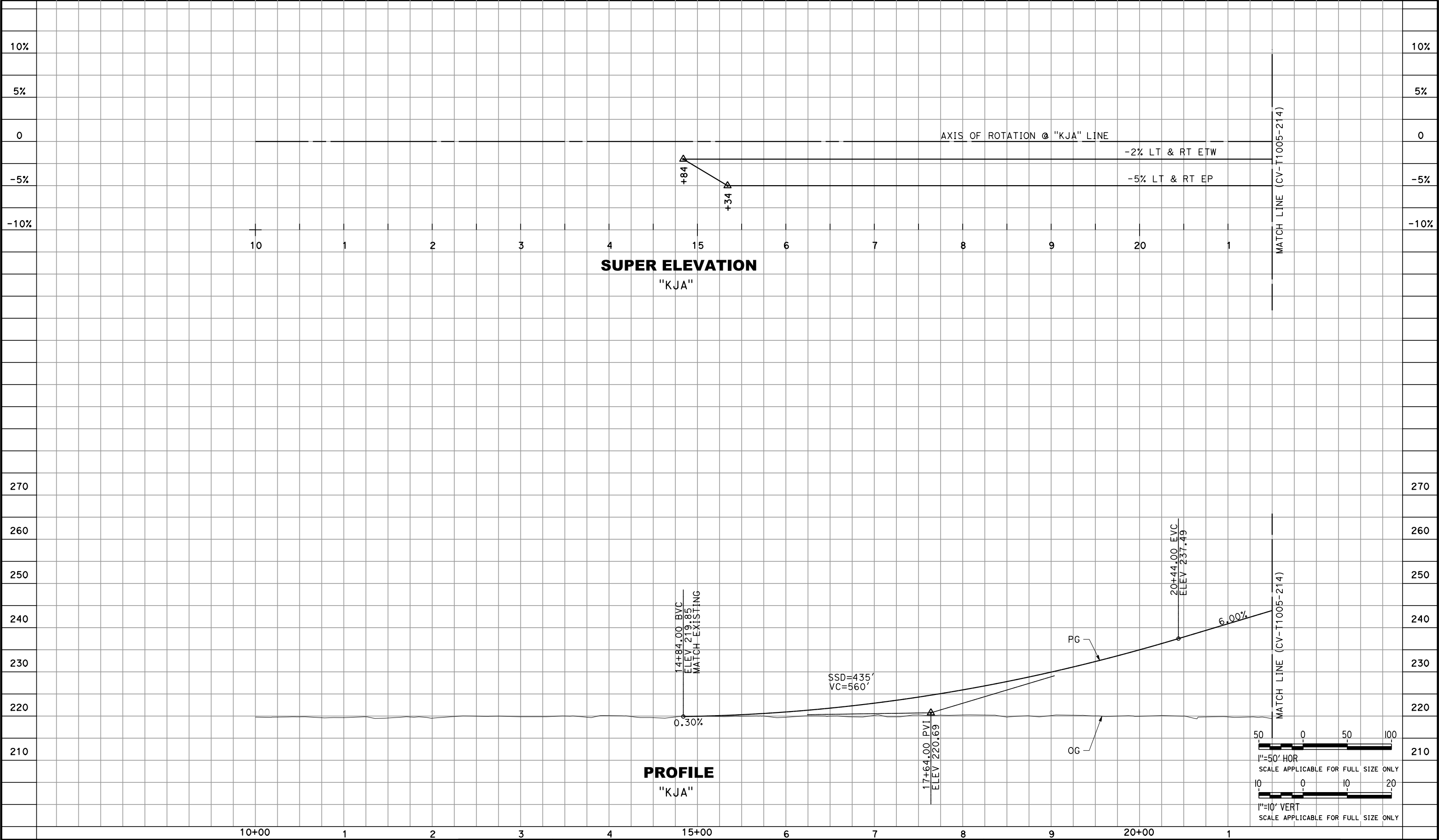


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

ROADWAY SEGMENT 2
GRADE SEPARATION LAYOUT
JACKSON AVE

CONTRACT NO.	HSR 13-57
DRAWING NO.	CV-T1003-214
SCALE	AS SHOWN
SHEET NO.	OF

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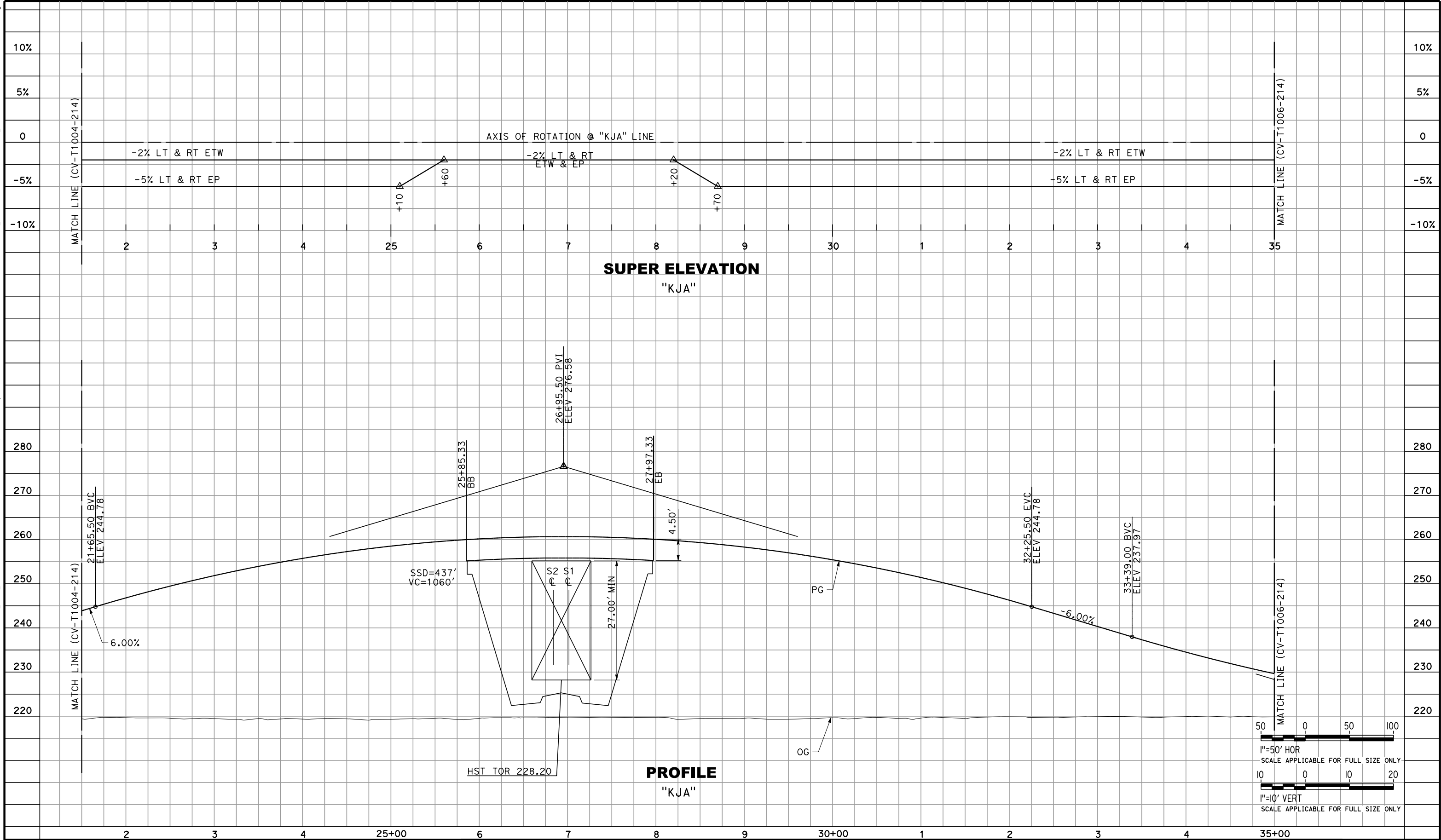
						DESIGNED BY N. POLICHETTI				CALIFORNIA HIGH-SPEED TRAIN PROJECT FB - CONSTRUCTION PACKAGE 2-3 ROADWAY SEGMENT 2 GRADE SEPARATION PROFILE AND SUPERELEVATION JACKSON AVE	CONTRACT NO. HSR 13-57
					DRAWN BY N. POLICHETTI	DRAWING NO. CV-T1004-214					
					CHECKED BY J. BRANCH	SCALE AS SHOWN					
					IN CHARGE R. TREVETT	SHEET NO. OF					
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 06/19/2018					

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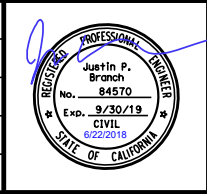
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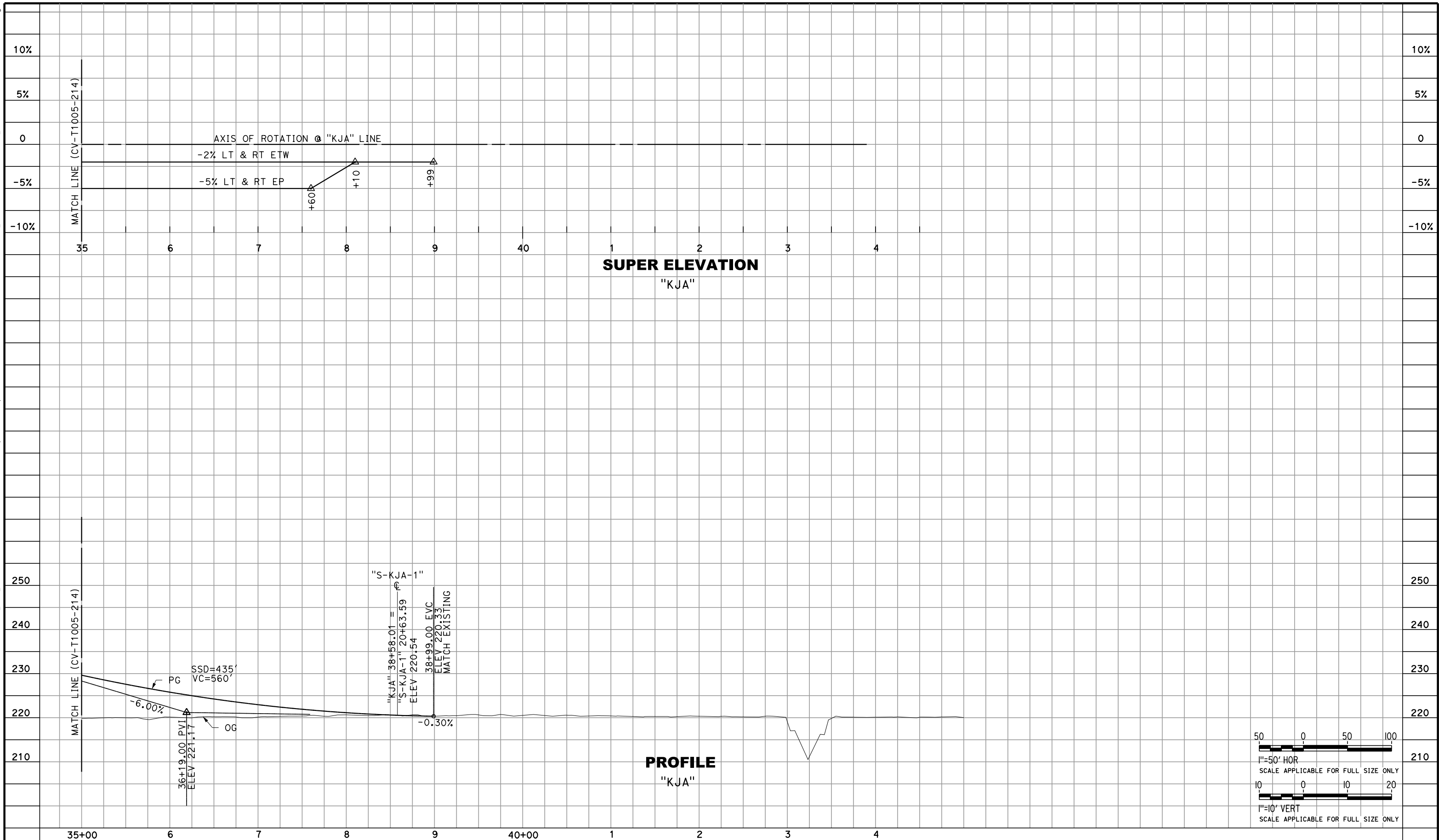
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
N. POLICETTI
DRAWN BY
N. POLICETTI
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
06/19/2018



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
GRADE SEPARATION PROFILE AND SUPERELEVATION
JACKSON AVE

CONTRACT NO.
HSR 13-57
DRAWING NO.
CV-T1005-214
SCALE
AS SHOWN
SHEET NO.
OF



						DESIGNED BY N. POLICHETTI				CALIFORNIA HIGH-SPEED TRAIN PROJECT FB - CONSTRUCTION PACKAGE 2-3 ROADWAY SEGMENT 2 GRADE SEPARATION PROFILE AND SUPERELEVATION JACKSON AVE	CONTRACT NO. HSR 13-57
					DRAWN BY N. POLICHETTI	DRAWING NO. CV-T1006-214					
					CHECKED BY J. BRANCH	SCALE AS SHOWN					
					IN CHARGE R. TREVETT	SHEET NO. OF					
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE					
						06/19/2018					

EXHIBIT F1

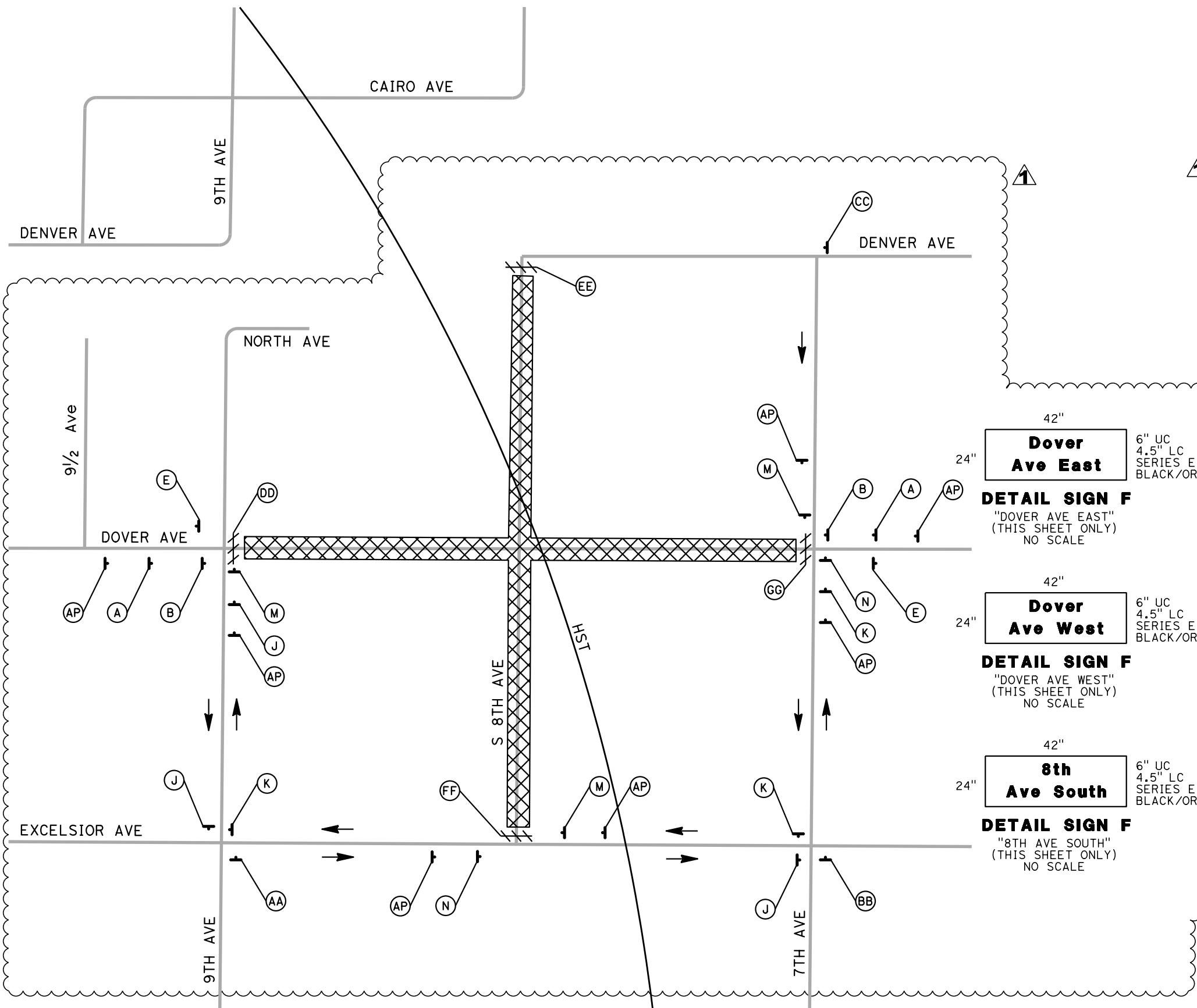
Motorist Information Page

Dover Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662



NOTES:

1. SEE CORRIDOR WIDE GENERAL PACKAGE SHEETS CV-15201 AND CV-15202 FOR NOTES, LEGEND, AND STATIONARY MOUNTED CONSTRUCTION AREA SIGNS NOT SHOWN.
2. WITH THE APPROVAL OF THE LOCAL JURISDICTION, SIGNS IN CONFLICT WITH DETOUR SHALL BE COVERED OR REMOVED PRIOR TO RAMP/ROAD CLOSURE AND RESTORED TO ORIGINAL LOCATION/CONDITION UPON COMPLETION OF CLOSURE.
3. TEMPORARY CLOSURES AND DETOURS SHALL BE COORDINATED WITH THE LOCAL JURISDICTIONS PRIOR TO IMPLEMENTATION.
4. SEE CALIFORNIA MUTCD FIGURE 6H-20 FOR DETAILS NOT SHOWN.

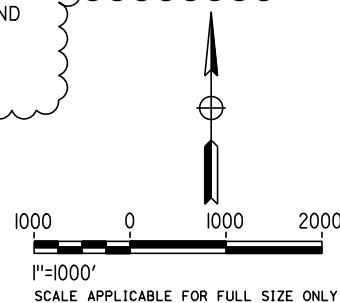
CONSTRUCTION STAGING NOTES

1. CLOSE DOVER AVE AT 7TH AVE AND 9TH AVE. CLOSE S 8TH AVE AT DENVER AVE AND EXCELSIOR AVE. CONSTRUCT NEW BRIDGE AND ROAD IMPROVEMENTS.
2. MAINTAIN ACCESS TO PROPERTIES ALONG DOVER AVE AND 8TH AVE AT ALL TIMES DURING CONSTRUCTION.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

NEW SIGN No. (THIS SHEET ONLY)	NEW SIGN No. (SEE CV-15201 & CV-15202)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
(AA)	(F)	1 - 4" x 6"	DOVER AVE EAST
	(K)		DETOUR (RIGHT ARROW)
(BB)	(F)	1 - 4" x 6"	DOVER AVE WEST
	(J)		DETOUR (LEFT ARROW)
(CC)	(F)	1 - 4" x 6"	8TH AVE SOUTH
	(J)		DETOUR (LEFT ARROW)
(DD)*	(I)	MOUNT SIGNS ON TYPE III BARRICADE	ROAD CLOSED TO THRU TRAFFIC
	(D)		DETOUR (RIGHT ARROW)
(EE)*	(I)	MOUNT SIGNS ON TYPE III BARRICADE	ROAD CLOSED TO THRU TRAFFIC
	(AT)		(LEFT ARROW)
(FF)*	(I)	MOUNT SIGNS ON TYPE III BARRICADE	ROAD CLOSED TO THRU TRAFFIC
	(AV)		(TWO DIRECTION ARROW)
(GG)*	(I)	MOUNT SIGNS ON TYPE III BARRICADE	ROAD CLOSED TO THRU TRAFFIC
	(C)		DETOUR (LEFT ARROW)

* PROVIDE ADDITIONAL TYPE III BARRICADE AND SIGN G (R11-2) WHEN LOCAL ACCESS IS NO LONGER ALLOWED. SEE CALIFORNIA MUTCD FIGURE 6H-20 FOR DETAILS.



REV	DATE	BY	CHK	APP	DESCRIPTION
1	10/10/18	DS	JB	GF	NDC 042 - TRAFFIC HANDLING AND SIGNAGE UPDATED

DESIGNED BY J. BRANCH
DRAWN BY P. QUACH
CHECKED BY L. CHESLOCK
IN CHARGE R. TREVETT
DATE 01/26/2018



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**
ROADWAY SEGMENT 2
MOTORIST INFORMATION PLAN
DOVER AVE AND S 8TH AVE CLOSED

CONTRACT NO. HSR 13-57
DRAWING NO. CV-11001-201
SCALE AS SHOWN
SHEET NO. OF

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iplotdrv.m.plt
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4/23/2018 9:20:12 AM
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NOTE:

1. ALL EXISTING SIGNS NOT SHOWN FOR REMOVAL, RELOCATION, OR RESETTING SHALL REMAIN IN PLACE.
2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY <CA> WHICH INDICATES A CALIFORNIA SIGN CODE.

LEGEND:

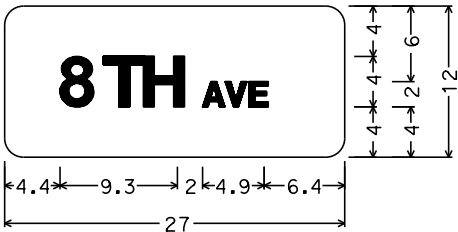
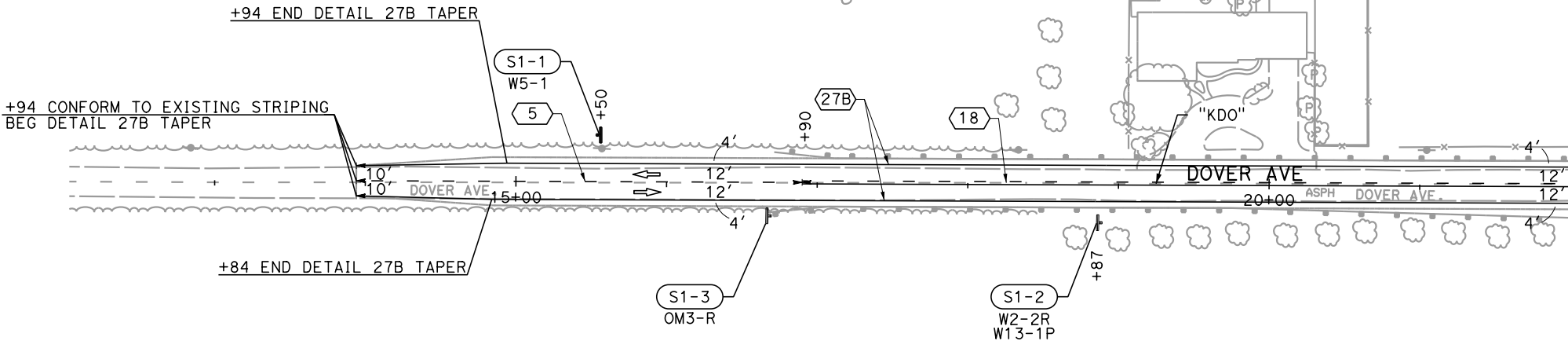
- BEGIN/END OF TRAFFIC STRIPE DETAIL
- CHANGE OF TRAFFIC STRIPE DETAIL
- XX TRAFFIC STRIPE DETAIL No.

- ROADSIDE SIGN, (1 POST)
- SIGN-No. ROADSIDE SIGN NUMBER
- DIRECTION OF TRAVEL
- LL 12" WHITE LIMIT LINE

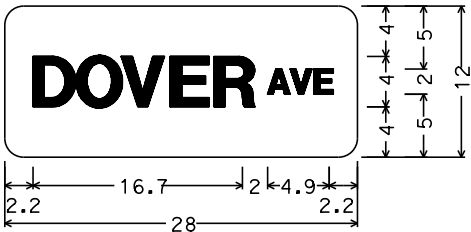
- PM PAVEMENT MARKING OR LEGEND AS SHOWN
- SNS STREET NAME SIGN

SIGN SCHEDULE

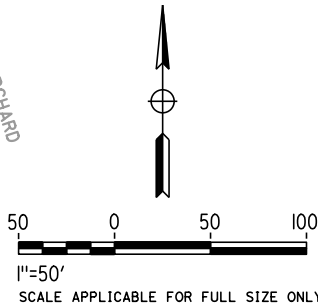
NEW SIGN No.	SIGN CODE	PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
S1-1	W5-1	36 x 36	1 - 4" x 4"	ROAD NARROWS
S1-2	W2-2R W13-1P	30 x 30 18 x 18	1 - 4" x 6"	INTERSECTION WARNING 45MPH
S1-3	OM3-R		MOUNT SIGN ON MGS FLARED TERMINAL	OBJECT MARKER
S2-1	D3-1 D3-1 R1-1	27 x 12 28 x 12 30 x 30	1 - 4" x 6"	8TH AVE DOVER AVE STOP
S2-2	W3-1	30 x 30	1 - 4" x 4"	STOP AHEAD
S2-3	D3-1 D3-1 R1-1	27 x 12 28 x 12 30 x 30	1 - 4" x 6"	8TH AVE DOVER AVE STOP
S2-4	W1-7 N-1(CA)	48 x 24	1 - 4" x 6"	INTERSECTION WARNING OBJECT MARKER
S2-5	W1-7 N-1(CA)	48 x 24	1 - 4" x 6"	INTERSECTION WARNING OBJECT MARKER
S3-1	W5-1	36 x 36	1 - 4" x 4"	ROAD NARROWS
S3-2	W2-2R W13-1P	30 x 30 18 x 18	1 - 4" x 6"	INTERSECTION WARNING 45MPH
S3-3	OM3-R		MOUNT SIGN ON MGS FLARED TERMINAL	OBJECT MARKER
S4-1	W5-1	36 x 36	1 - 4" x 4"	ROAD NARROWS
S4-2	OM3-R		MOUNT SIGN ON MGS FLARED TERMINAL	OBJECT MARKER
S5-1	W1-4(L) W13-1P	30 x 30 18 x 18	1 - 4" x 6"	REVERSE CURVE 45MPH
S5-2	W5-1	36 x 36	1 - 4" x 4"	ROAD NARROWS
S6-1	W3-1	30 x 30	1 - 4" x 4"	STOP AHEAD
S6-2	W1-4R W13-1P	30 x 30 18 x 18	1 - 4" x 6"	REVERSE CURVE 45MPH
S6-3	W1-4R W13-1P	30 x 30 18 x 18	1 - 4" x 6"	REVERSE CURVE 45MPH
S6-4	OM3-R		MOUNT SIGN ON MGS FLARED TERMINAL	OBJECT MARKER



1.5" RADIUS, NO BORDER, NONE ON GREEN;
[8TH AVE] WHITE D;



1.5" RADIUS, NO BORDER, NONE ON GREEN;
[DOVER AVE] WHITE D;



DESIGNED BY
T. WANG
DRAWN BY
T. WANG
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
01/26/2018



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
DOVER AVE


CONTRACT NO.
HSR 13-57
DRAWING NO.
CV-11301-201
SCALE
AS SHOWN
SHEET NO.
OF

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
NOTES

1. CONTRACTOR MAY USE TEMPORARY SIGN STANDS DURING SHORT-TERM CLOSURES.
2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY (CA) WHICH INDICATES A CALIFORNIA SIGN CODE.
3. ADVANCE SIGNAGE TO BE IN ACCORDANCE WITH FEDERAL SIGN CODE, CALIFORNIA SIGN CODE, PIP, AND COUNTY STANDARDS.


LEGEND




TEMPORARY SIGN



TYPE III BARRICADE




ROAD CLOSED



EXISTING ROAD



EXISTING MINOR ROAD



DETOUR ROUTE

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
(A)	W20-3		36 x 36	1 - 4" x 6"	ROAD CLOSED AHEAD
(B)	W20-2		36 x 36	1 - 4" x 6"	DETOUR AHEAD
(C)	M4-10 (L+)		48 x 18	*	DETOUR (LEFT ARROW)
(D)	M4-10 (R+)		48 x 18	*	DETOUR (RIGHT ARROW)
(E)	M4-8a		24 x 18	1 - 4" x 4"	END DETOUR
(F)		G7-1(CA)	VAR x 18	*	STREET NAME
(G)	R11-2		48 x 30	*	ROAD CLOSED
(H)	R11-3a		30 x 60	*	ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
(I)	R11-4		30 x 60	*	ROAD CLOSED TO THRU TRAFFIC
(J)	M4-9 (L+)		30 x 24	1 - 4" x 6"	DETOUR (LEFT ARROW)
(K)	M4-9 (R+)		30 x 24	1 - 4" x 6"	DETOUR (RIGHT ARROW)
(L)	M4-9 (UP)		30 x 24	1 - 4" x 6"	DETOUR (UP ARROW)
(M)	R3-1		24 x 24	1 - 4" x 4"	(NO RIGHT TURN)
(N)	R3-2		24 x 24	1 - 4" x 4"	(NO LEFT TURN)
(O)	M4-9 (UP R+)		48 x 36	1 - 4" x 6"	DETOUR (UP RIGHT ARROW)
(P)	M4-9 (L+)		48 x 36	1 - 4" x 6"	DETOUR (LEFT ARROW)
(Q)	M3-1		24 x 12	*	NORTH
(R)	M3-2		24 x 12	*	EAST
(S)	M3-3		24 x 12	*	SOUTH

* NOT USED ON INDIVIDUAL POSTS

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS (CONTINUED)

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
(T)	M3-4		24 x 12	*	WEST
(U)	M3-1		36 x 18	*	NORTH
(V)	M3-2		36 x 18	*	EAST
(W)	M3-3		36 x 18	*	SOUTH
(X)	M3-4		36 x 18	*	WEST
(Y)	M4-8		24 x 12	*	DETOUR
(Z)	M4-8		30 x 15	*	DETOUR
(AB)	M5-1 (R+)		21 x 15	*	(ADVANCE RIGHT ARROW)
(AC)	M5-1 (L+)		21 x 15	*	(ADVANCE LEFT ARROW)
(AD)	M5-2 (R+)		21 x 15	*	(ADVANCE UP RIGHT ARROW)
(AE)	M5-2 (L+)		21 x 15	*	(ADVANCE UP LEFT ARROW)
(AF)	M6-1 (R+)		21 x 15	*	(RIGHT ARROW)
(AG)	M6-1 (R+)		30 x 21	*	(RIGHT ARROW)
(AH)	M6-1 (L+)		21 x 15	*	(LEFT ARROW)
(AI)	M6-1 (L+)		30 x 21	*	(LEFT ARROW)
(AJ)	M6-2		30 x 21	*	(UP RIGHT ARROW)
(AK)	M6-3		21 x 15	*	(UP ARROW)
(AL)	M6-3		30 x 21	*	(UP ARROW)
(AM)		G28-2(CA)	21 x 18	*	(STATE ROUTE XX SHIELD)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. BRADY
DRAWN BY M. BRADY
CHECKED BY P. BARNEY
IN CHARGE R. TREVETT
DATE 02/20/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
GENERAL PACKAGE
MOTORIST INFORMATION SIGN DETAILS
(1 OF 2)

CONTRACT NO. HSR 13-57
DRAWING NO. CV-I5201
SCALE NO SCALE
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STATIONARY MOUNTED CONSTRUCTION AREA SIGNS (CONTINUED)

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
AN		G28-2(CA)	35 x 32	*	(STATE ROUTE XX SHIELD)
AO	W20-2		48 x 48	1 - 6" X 6"	DETOUR 1500 FT
AP	W20-1		36 x 36	1 - 4" X 6"	ROAD WORK AHEAD
AQ					NOT USED
AR	W20-3		48 x 48	1 - 6" X 6"	ROAD CLOSED 1000 FT
AS	W20-3		48 x 48	1 - 6" X 6"	ROAD CLOSED 500 FT
AT	W1-6(L+)		48 x 24	*	(LEFT ARROW)
AU	W1-6(R+)		48 x 24	*	(RIGHT ARROW)
AV	W1-7		48 x 24	*	(TWO DIRECTION ARROW)

* NOT USED ON INDIVIDUAL POSTS

REV	DATE	BY	CHK	APP	DESCRIPTION

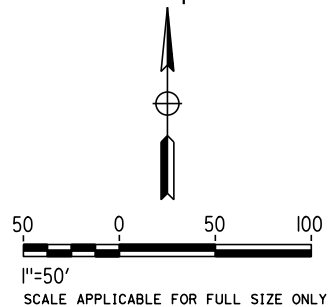
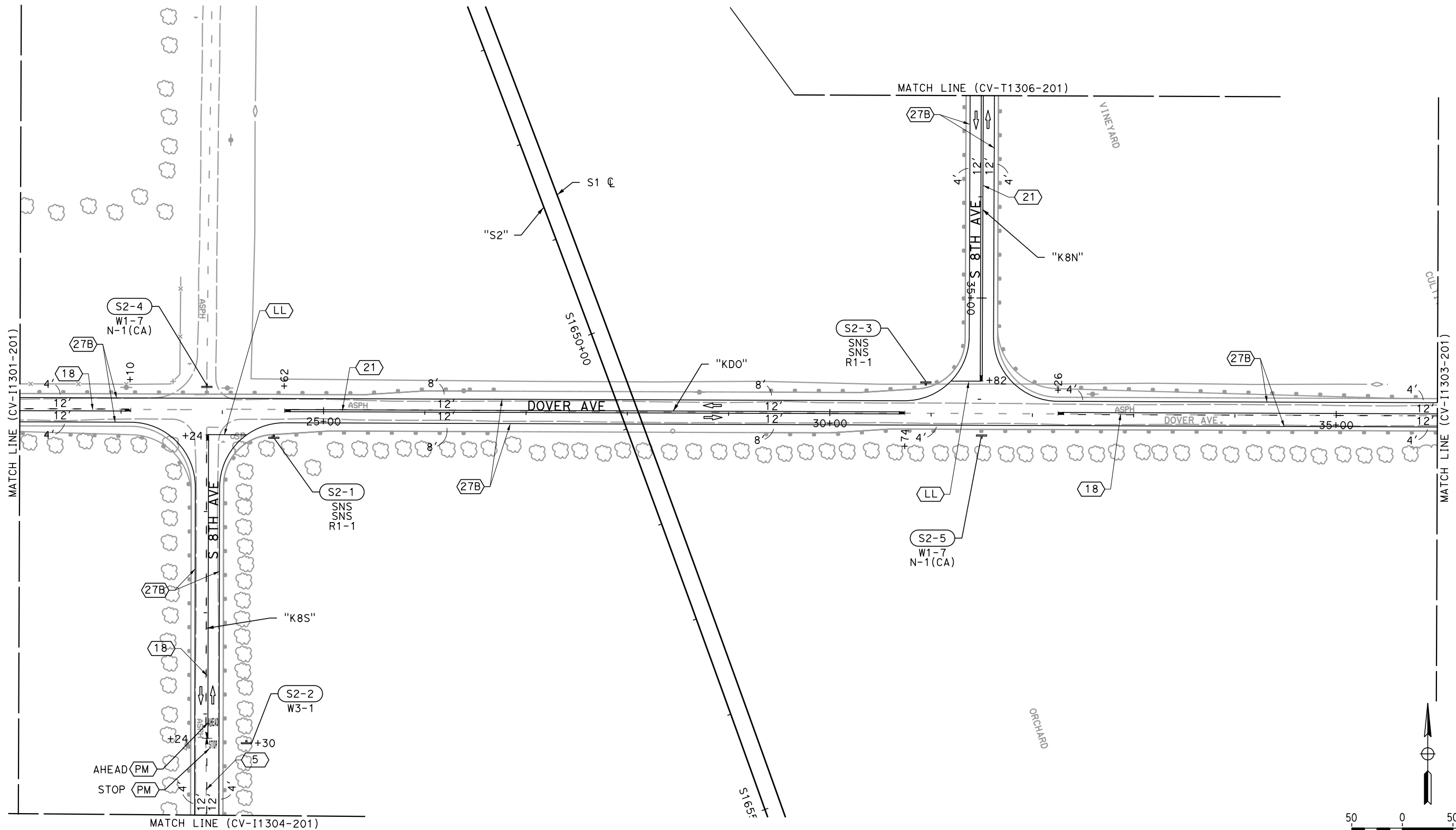
DESIGNED BY M. BRADY
DRAWN BY M. BRADY
CHECKED BY P. BARNEY
IN CHARGE R. TREVETT
DATE 02/20/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
GENERAL PACKAGE
MOTORIST INFORMATION SIGN DETAILS
(2 OF 2)

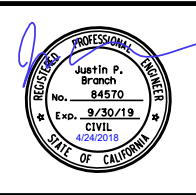
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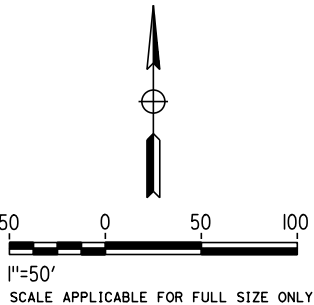
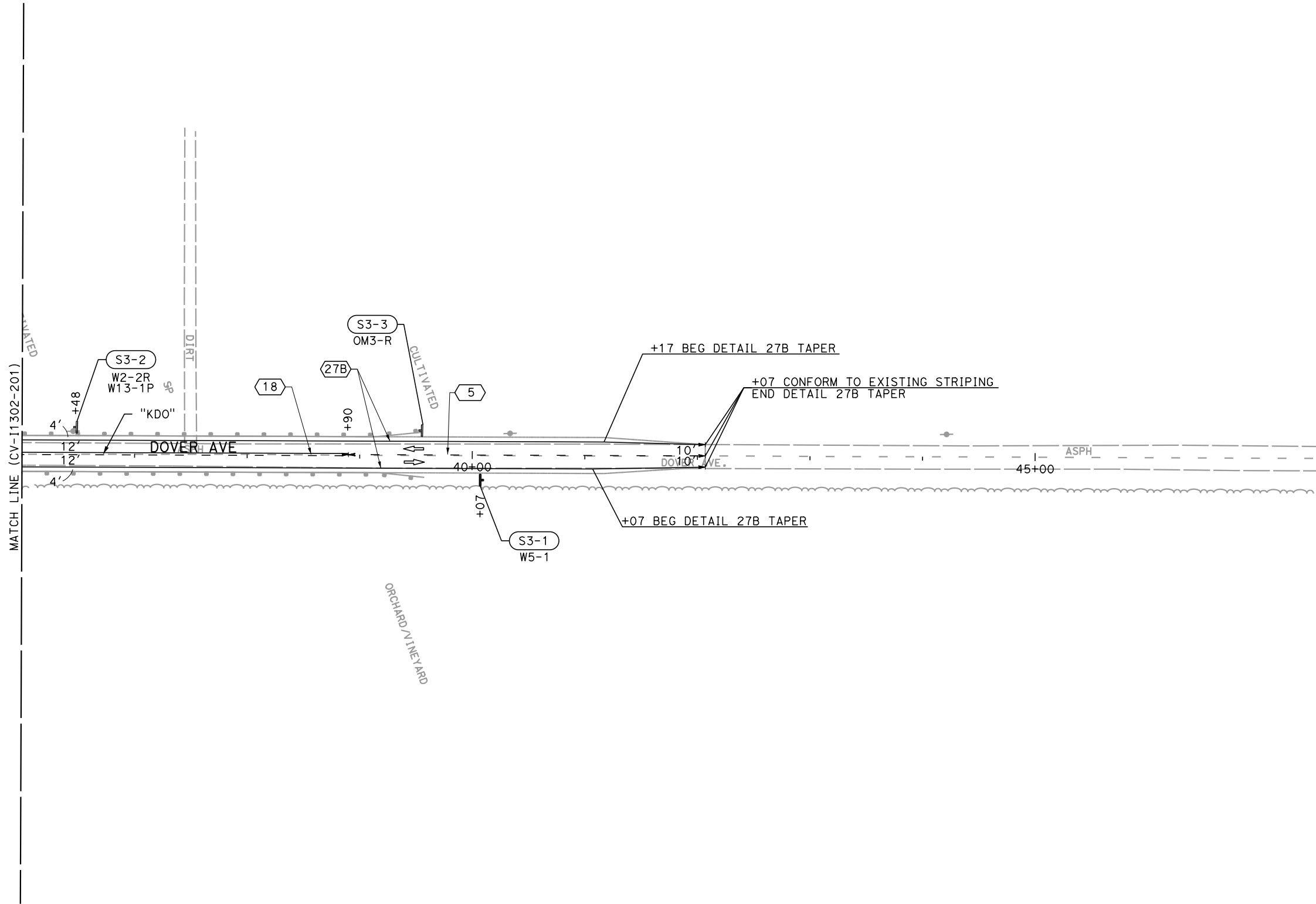
DESIGNED BY T. WANG
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 01/26/2018



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
DOVER AVE

CONTRACT NO. HSR 13-57
DRAWING NO. CV-11302-201
SCALE AS SHOWN
SHEET NO. OF

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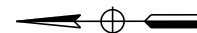
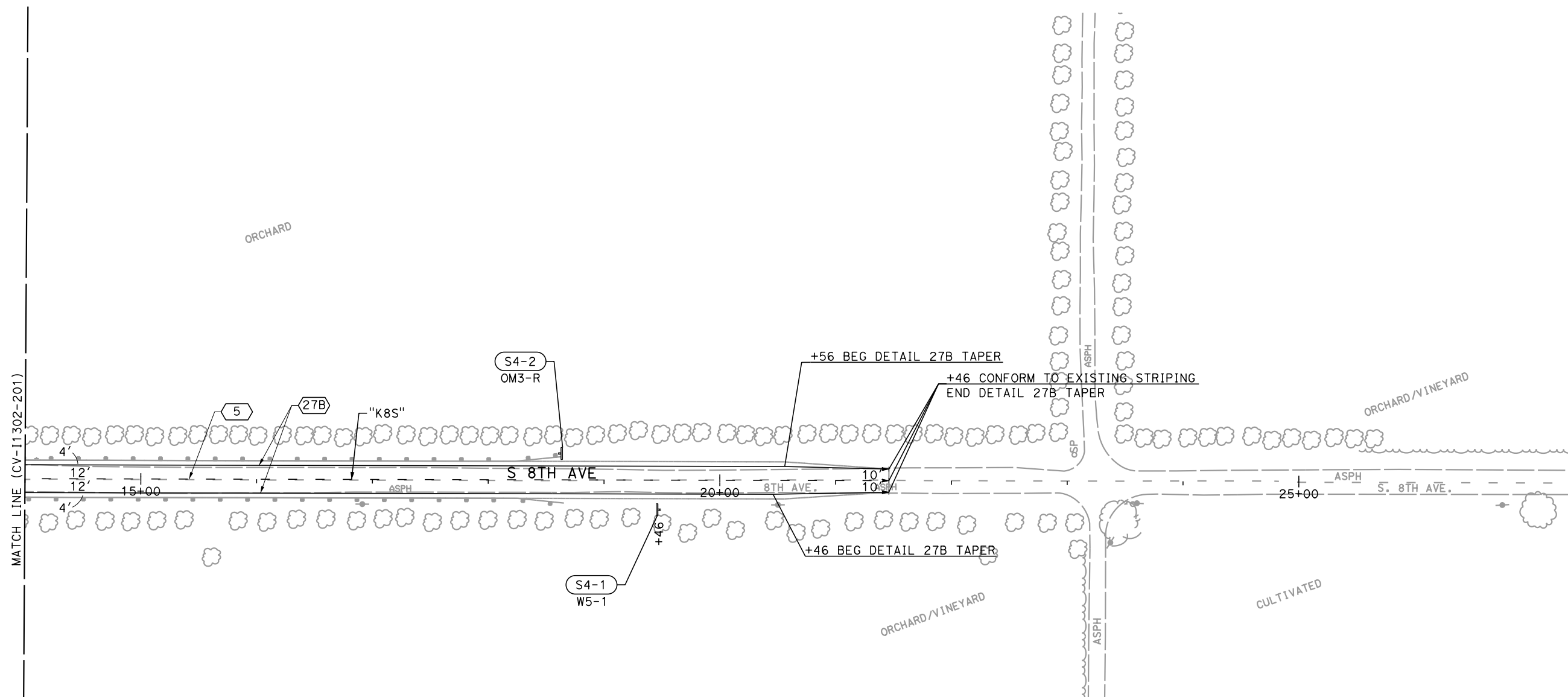
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY T. WANG
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 01/26/2018



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
DOVER AVE

CONTRACT NO. HSR 13-57
DRAWING NO. CV-I1303-201
SCALE AS SHOWN
SHEET NO. OF



1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY T. WANG
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 01/26/2018

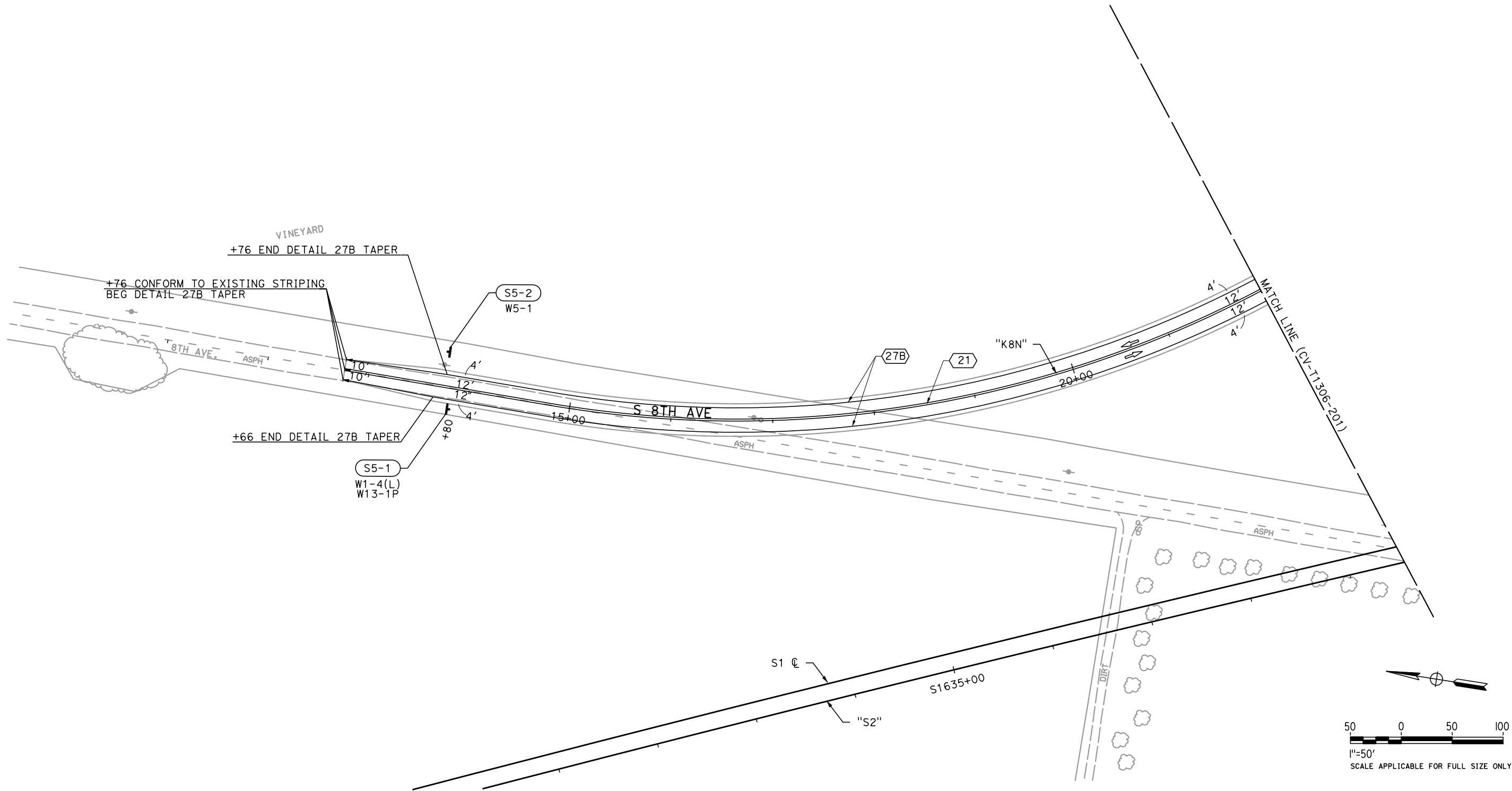


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
S 8TH AVE (SOUTH OF DOVER)

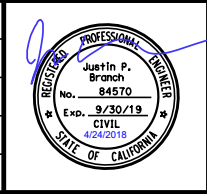
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REV	DATE	BY	CHK	APP	DESCRIPTION

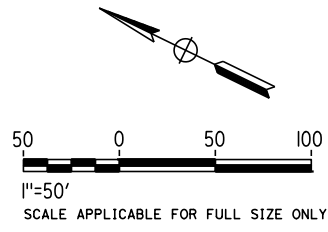
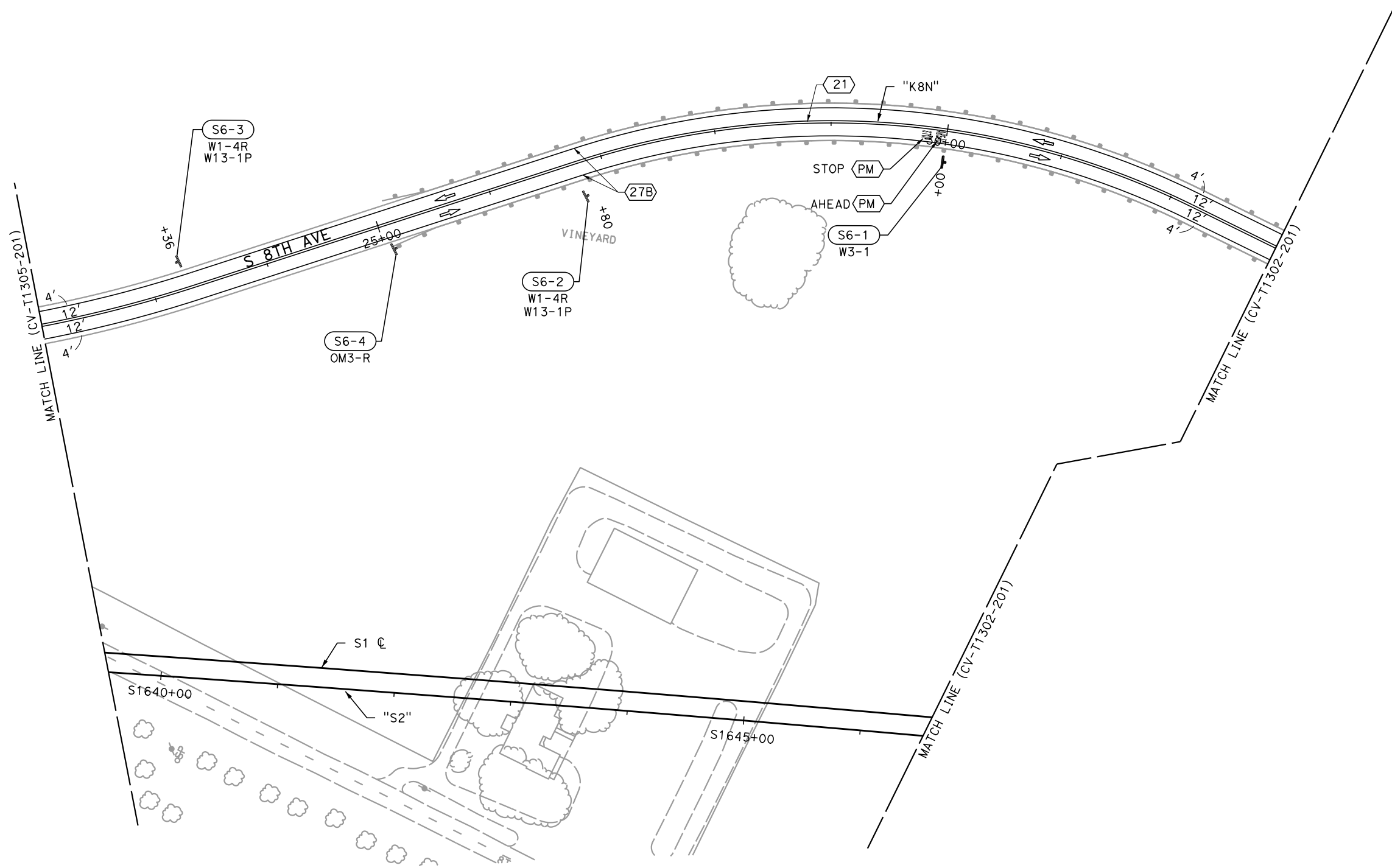
DESIGNED BY
T. WANG
DRAWN BY
T. WANG
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
01/26/2018



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**
ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
S 8TH AVE (NORTH OF DOVER)

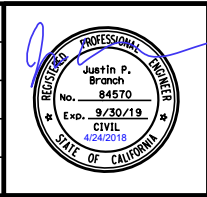
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HSR 13-57
DRAWING NO.
CV-11305-201
SCALE
AS SHOWN
SHEET NO.
OF

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4/23/2018 4:41:52 PM
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY T. WANG
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 01/26/2018



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
S 8TH AVE (NORTH OF DOVER)

CONTRACT NO. HSR 13-57
DRAWING NO. CV-I1306-201
SCALE AS SHOWN
SHEET NO. OF

EXHIBIT F2

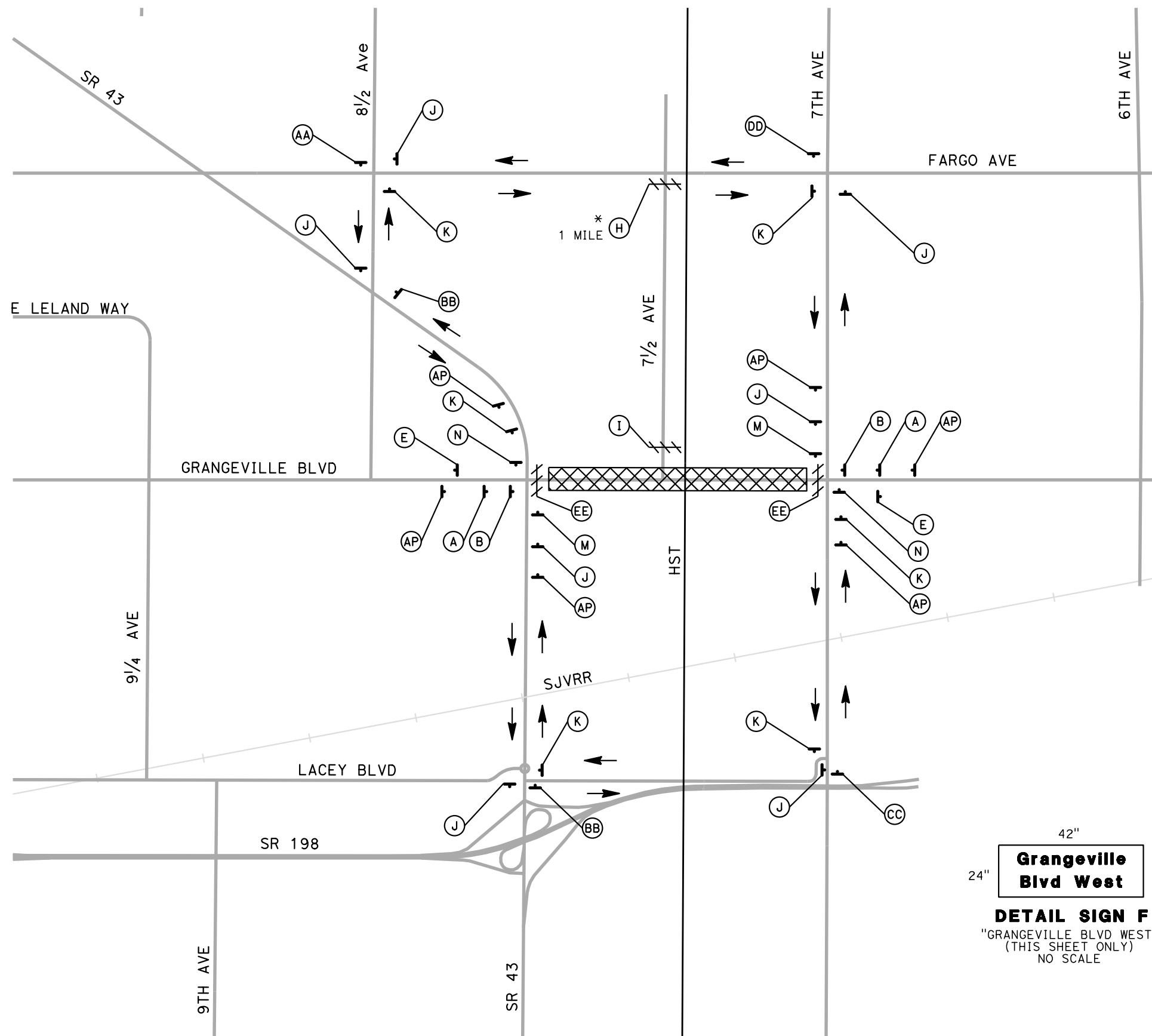
Motorist Information Page

Grangeville Boulevard

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662



NOTES:

1. SEE CORRIDOR WIDE GENERAL PACKAGE SHEETS CV-15201 AND CV-15202 FOR NOTES, LEGEND, AND STATIONARY MOUNTED CONSTRUCTION AREA SIGNS NOT SHOWN.
2. WITH THE APPROVAL OF THE LOCAL JURISDICTION, SIGNS IN CONFLICT WITH DETOUR SHALL BE COVERED OR REMOVED PRIOR TO RAMP/ROAD CLOSURE AND RESTORED TO ORIGINAL LOCATION/CONDITION UPON COMPLETION OF CLOSURE.
3. TEMPORARY CLOSURES AND DETOURS SHALL BE COORDINATED WITH THE LOCAL JURISDICTIONS PRIOR TO IMPLEMENTATION.
4. SEE CALIFORNIA MUTCD FIGURE 6H-20 FOR DETAILS NOT SHOWN.
5. ADVANCED WARNING SIGN SPACING TO BE 500 FEET.

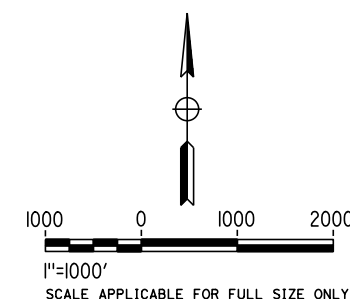
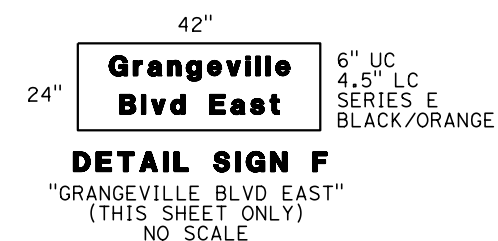
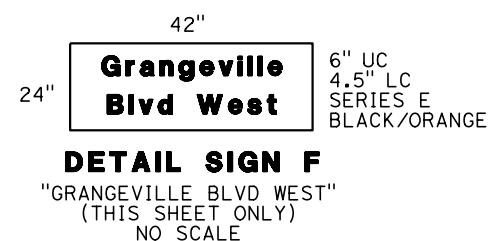
CONSTRUCTION STAGING NOTES

1. MAINTAIN TRAFFIC ON EXISTING GRANGEVILLE BLVD AND CONSTRUCT THE NEW BRIDGE AND APPROACHES.
2. CLOSE GRANGEVILLE BLVD AT SR 43 TO 7TH AVE.
3. MAINTAIN ACCESS TO PROPERTIES ALONG GRANGEVILLE BLVD AT ALL TIME DURING CONSTRUCTION.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

NEW SIGN No. (THIS SHEET ONLY)	NEW SIGN No. (SEE CV-15201 & CV-15202)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
(AA)	(F)	1 - 4" x 6"	GRANGEVILLE BLVD EAST
	(J)		DETOUR (LEFT ARROW)
(BB)	(F)	1 - 4" x 6"	GRANGEVILLE BLVD EAST
	(K)		DETOUR (RIGHT ARROW)
(CC)	(F)	1 - 4" x 6"	GRANGEVILLE BLVD WEST
	(J)		DETOUR (LEFT ARROW)
(DD)	(F)	1 - 4" x 6"	GRANGEVILLE BLVD WEST
	(K)		DETOUR (RIGHT ARROW)
(EE)	(I)	MOUNT SIGNS ON TYPE III BARRICADE	ROAD CLOSED TO THRU TRAFFIC
	(D)		DETOUR (RIGHT ARROW)

* MOUNT SIGN ON TYPE III BARRICADE. PROVIDE ADDITIONAL TYPE III BARRICADE AND SIGN G (R11-2) WHEN LOCAL ACCESS IS NO LONGER ALLOWED. SEE CALIFORNIA MUTCD FIGURE 6H-20 FOR DETAILS.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	N. POLICETTI
DRAWN BY	T. LUU
CHECKED BY	J. BRANCH
IN CHARGE	R. TREVETT
DATE	12/29/2017



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

ROADWAY SEGMENT 2
MOTORIST INFORMATION PLAN
GRANGEVILLE BLVD CLOSED


CONTRACT NO.	HSR 13-57
DRAWING NO.	CV-I1001-206
SCALE	AS SHOWN
SHEET NO.	OF

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
NOTES

1. CONTRACTOR MAY USE TEMPORARY SIGN STANDS DURING SHORT-TERM CLOSURES.
2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY (CA) WHICH INDICATES A CALIFORNIA SIGN CODE.
3. ADVANCE SIGNAGE TO BE IN ACCORDANCE WITH FEDERAL SIGN CODE, CALIFORNIA SIGN CODE, PIP, AND COUNTY STANDARDS.

LEGEND



TEMPORARY SIGN



TYPE III BARRICADE




ROAD CLOSED



EXISTING ROAD



EXISTING MINOR ROAD



DETOUR ROUTE

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
(A)	W20-3		36 x 36	1 - 4" x 6"	ROAD CLOSED AHEAD
(B)	W20-2		36 x 36	1 - 4" x 6"	DETOUR AHEAD
(C)	M4-10 (L+)		48 x 18	*	DETOUR (LEFT ARROW)
(D)	M4-10 (R+)		48 x 18	*	DETOUR (RIGHT ARROW)
(E)	M4-8a		24 x 18	1 - 4" x 4"	END DETOUR
(F)		G7-1(CA)	VAR x 18	*	STREET NAME
(G)	R11-2		48 x 30	*	ROAD CLOSED
(H)	R11-3a		30 x 60	*	ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
(I)	R11-4		30 x 60	*	ROAD CLOSED TO THRU TRAFFIC
(J)	M4-9 (L+)		30 x 24	1 - 4" x 6"	DETOUR (LEFT ARROW)
(K)	M4-9 (R+)		30 x 24	1 - 4" x 6"	DETOUR (RIGHT ARROW)
(L)	M4-9 (UP)		30 x 24	1 - 4" x 6"	DETOUR (UP ARROW)
(M)	R3-1		24 x 24	1 - 4" x 4"	(NO RIGHT TURN)
(N)	R3-2		24 x 24	1 - 4" x 4"	(NO LEFT TURN)
(O)	M4-9 (UP R+)		48 x 36	1 - 4" x 6"	DETOUR (UP RIGHT ARROW)
(P)	M4-9 (L+)		48 x 36	1 - 4" x 6"	DETOUR (LEFT ARROW)
(Q)	M3-1		24 x 12	*	NORTH
(R)	M3-2		24 x 12	*	EAST
(S)	M3-3		24 x 12	*	SOUTH

* NOT USED ON INDIVIDUAL POSTS

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS (CONTINUED)

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
(T)	M3-4		24 x 12	*	WEST
(U)	M3-1		36 x 18	*	NORTH
(V)	M3-2		36 x 18	*	EAST
(W)	M3-3		36 x 18	*	SOUTH
(X)	M3-4		36 x 18	*	WEST
(Y)	M4-8		24 x 12	*	DETOUR
(Z)	M4-8		30 x 15	*	DETOUR
(AB)	M5-1 (R+)		21 x 15	*	(ADVANCE RIGHT ARROW)
(AC)	M5-1 (L+)		21 x 15	*	(ADVANCE LEFT ARROW)
(AD)	M5-2 (R+)		21 x 15	*	(ADVANCE UP RIGHT ARROW)
(AE)	M5-2 (L+)		21 x 15	*	(ADVANCE UP LEFT ARROW)
(AF)	M6-1 (R+)		21 x 15	*	(RIGHT ARROW)
(AG)	M6-1 (R+)		30 x 21	*	(RIGHT ARROW)
(AH)	M6-1 (L+)		21 x 15	*	(LEFT ARROW)
(AI)	M6-1 (L+)		30 x 21	*	(LEFT ARROW)
(AJ)	M6-2		30 x 21	*	(UP RIGHT ARROW)
(AK)	M6-3		21 x 15	*	(UP ARROW)
(AL)	M6-3		30 x 21	*	(UP ARROW)
(AM)		G28-2(CA)	21 x 18	*	(STATE ROUTE XX SHIELD)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. BRADY
DRAWN BY M. BRADY
CHECKED BY P. BARNEY
IN CHARGE R. TREVETT
DATE 02/20/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
GENERAL PACKAGE
MOTORIST INFORMATION SIGN DETAILS
(1 OF 2)

CONTRACT NO. HSR 13-57
DRAWING NO. CV-I5201
SCALE NO SCALE
SHEET NO. OF

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STATIONARY MOUNTED CONSTRUCTION AREA SIGNS (CONTINUED)

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
AN		G28-2(CA)	35 x 32	*	(STATE ROUTE XX SHIELD)
AO	W20-2		48 x 48	1 - 6" X 6"	DETOUR 1500 FT
AP	W20-1		36 x 36	1 - 4" X 6"	ROAD WORK AHEAD
AQ					NOT USED
AR	W20-3		48 x 48	1 - 6" X 6"	ROAD CLOSED 1000 FT
AS	W20-3		48 x 48	1 - 6" X 6"	ROAD CLOSED 500 FT
AT	W1-6(L+)		48 x 24	*	(LEFT ARROW)
AU	W1-6(R+)		48 x 24	*	(RIGHT ARROW)
AV	W1-7		48 x 24	*	(TWO DIRECTION ARROW)

* NOT USED ON INDIVIDUAL POSTS

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. BRADY
DRAWN BY M. BRADY
CHECKED BY P. BARNEY
IN CHARGE R. TREVETT
DATE 02/20/2017



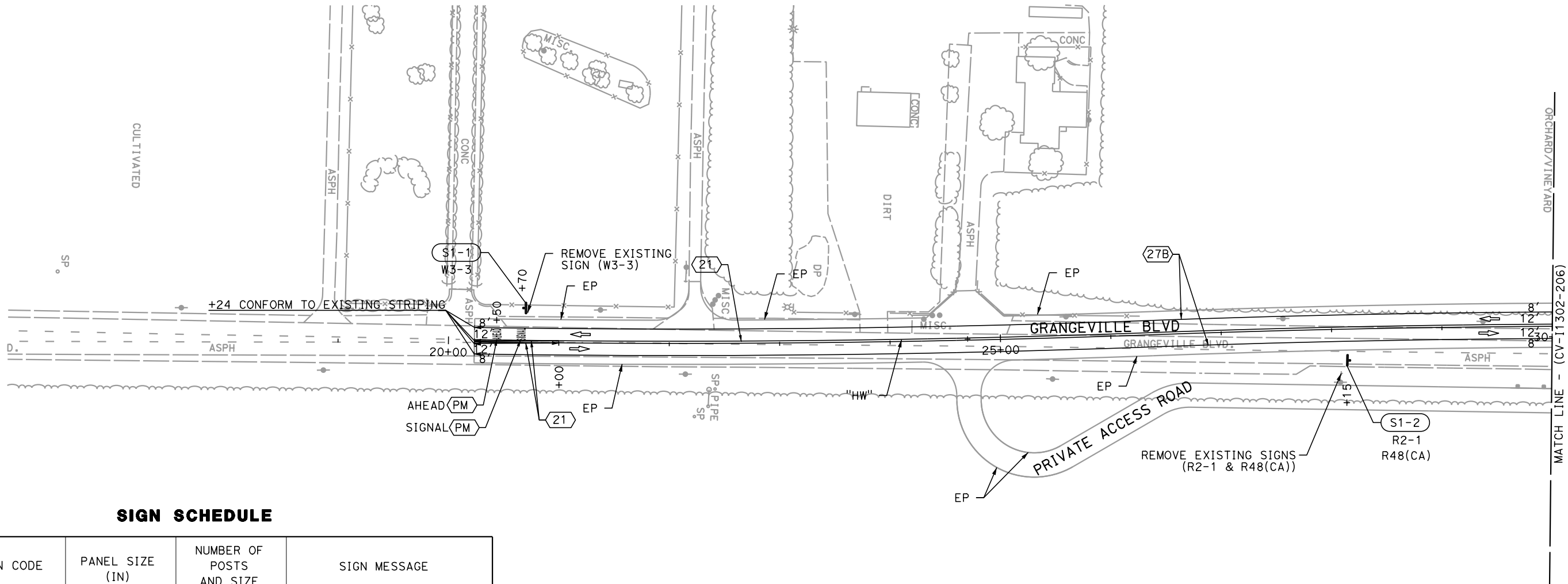
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
GENERAL PACKAGE
MOTORIST INFORMATION SIGN DETAILS
(2 OF 2)

CONTRACT NO. HSR 13-57
DRAWING NO. CV-15202
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SHEET NO. OF

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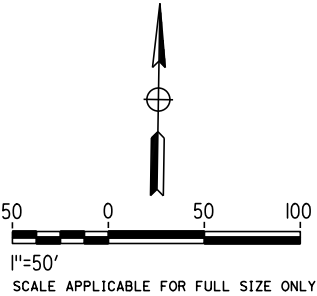
- NOTE:**
- 1. ALL EXISTING SIGNS NOT SHOWN FOR REMOVAL, RELOCATION, OR RESETTING SHALL REMAIN IN PLACE.
 - 2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY <CA> WHICH INDICATES A CALIFORNIA SIGN CODE.

- LEGEND:**
- BEGIN/END OF TRAFFIC STRIPE DETAIL
 - CHANGE OF TRAFFIC STRIPE DETAIL
 - TRAFFIC STRIPE DETAIL No.
 - ROADSIDE SIGN, (1 POST)
 - (SIGN-No.) ROADSIDE SIGN NUMBER
 - DIRECTION OF TRAVEL
 - PM PAVEMENT MARKING OR LEGEND AS SHOWN



SIGN SCHEDULE

NEW SIGN No.	SIGN CODE	PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
S1-1	W3-3	30 x 30	1 - 4" x 4"	SIGNAL AHEAD
S1-2	R2-1 R48(CA)	24 x 30 24 x 30	1 - 4" x 4"	SPEED LIMIT 55 SPEED ENFORCED BY RADAR
S2-1	W31(CA) OM4-3	30 x 30	1 - 4" x 6"	END OBJECT MARKER
S2-2	OM4-3		1 - 4" x 4"	OBJECT MARKER
S2-3	OM4-3		1 - 4" x 4"	OBJECT MARKER



DESIGNED BY T. WANG
DRAWN BY T. LUU
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/29/2017



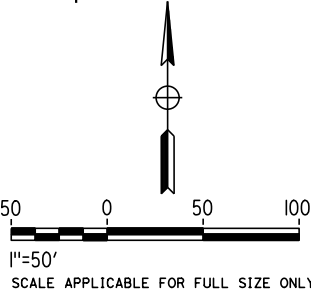
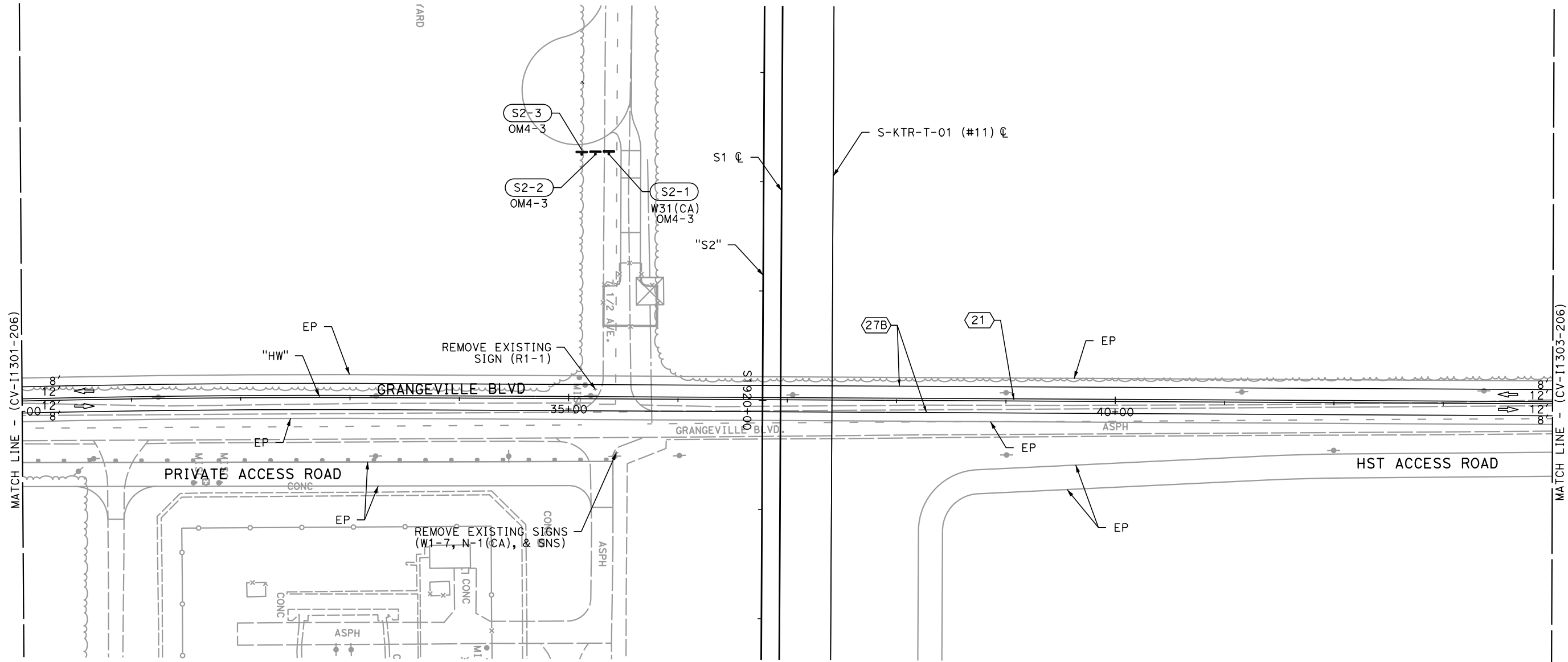
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
GRANGEVILLE BLVD

CONTRACT NO. HSR 13-57
DRAWING NO. CV-11301-206
SCALE AS SHOWN
SHEET NO. OF

REV	DATE	BY	CHK	APP	DESCRIPTION
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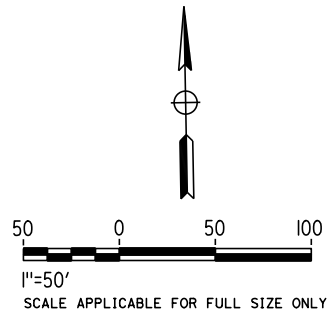
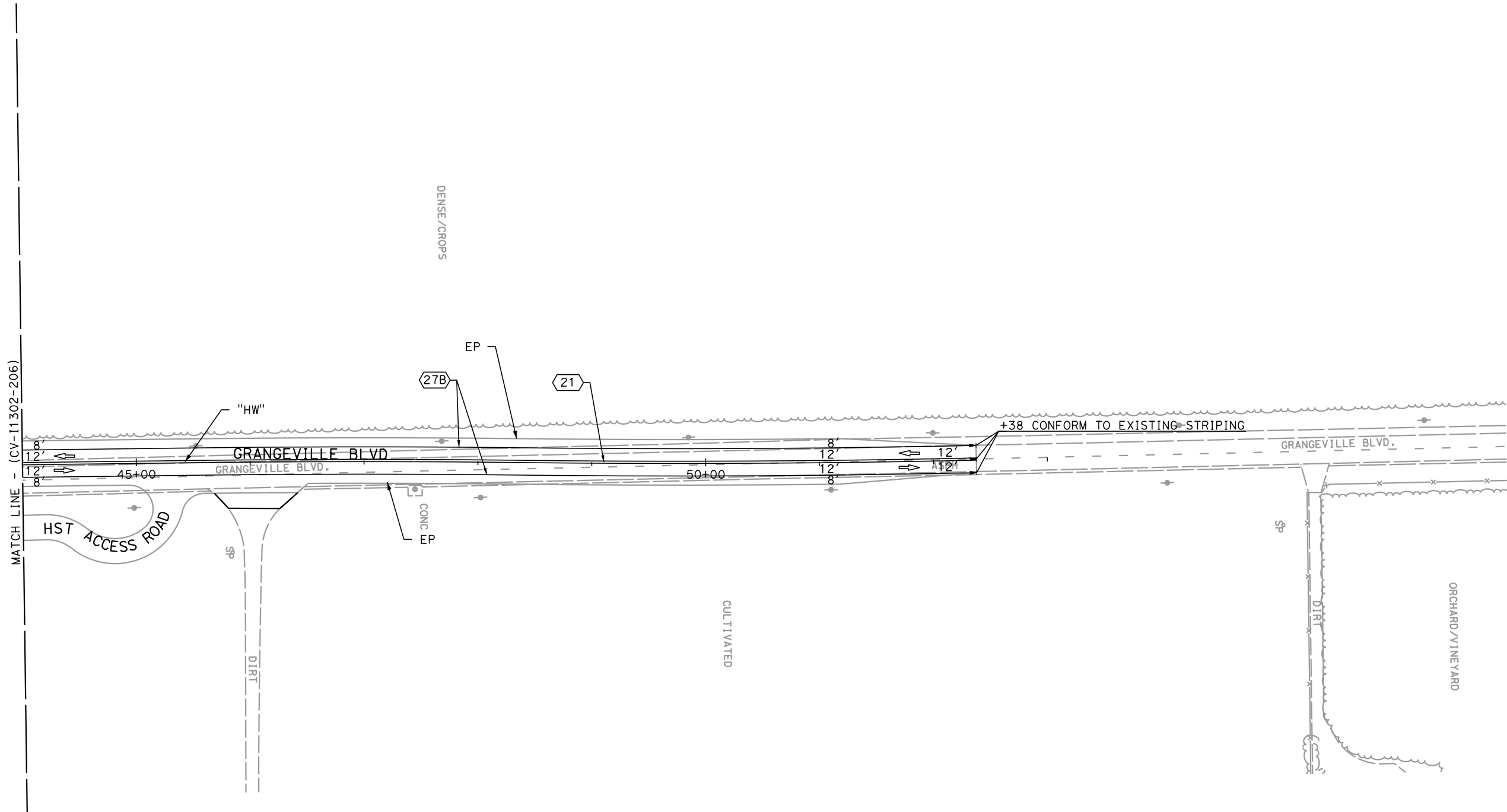
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY T. WANG
DRAWN BY T. LUU
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/29/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
GRANGEVILLE BLVD

CONTRACT NO. HSR 13-57
DRAWING NO. CV-11302-206
SCALE AS SHOWN
SHEET NO. OF



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY T. WANG
DRAWN BY T. LUU
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/29/2017



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
GRANGEVILLE BLVD

CONTRACT NO. HSR 13-57
DRAWING NO. CV-11303-206
SCALE AS SHOWN
SHEET NO. OF

EXHIBIT F3

Motorist Information Page

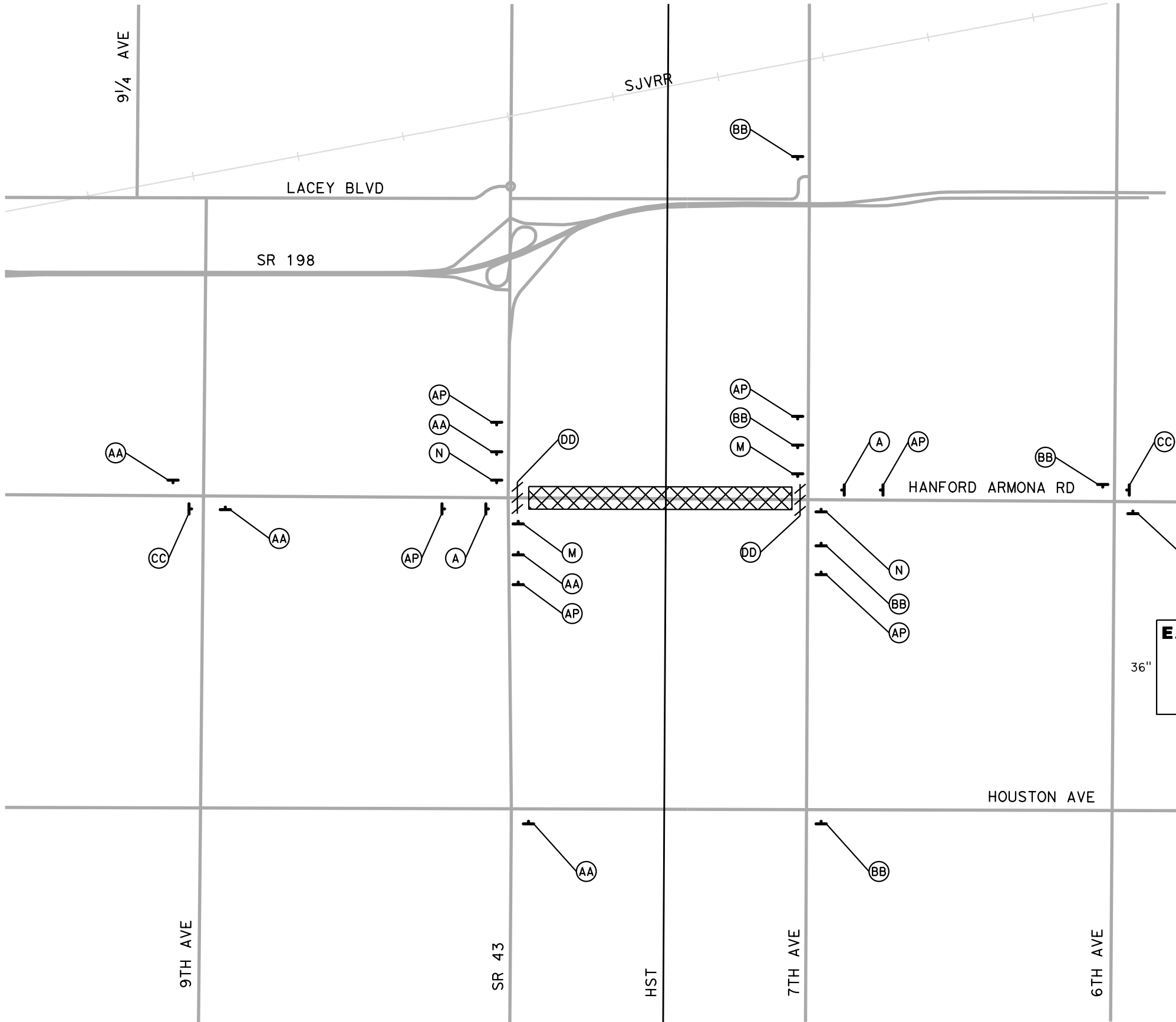
Hanford-Armona Road

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

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- NOTES:**
1. SEE CORRIDOR WIDE GENERAL PACKAGE SHEETS CV-15201 AND CV-15202 FOR NOTES, LEGEND, AND STATIONARY MOUNTED CONSTRUCTION AREA SIGNS NOT SHOWN.
 2. SIGNS IN CONFLICT WITH ALTERNATE ROUTE SHALL BE COVERED OR REMOVED PRIOR TO RAMP/ROAD CLOSURE AND RESTORED TO ORIGINAL LOCATION/CONDITION UPON COMPLETION OF CLOSURE.
 3. TEMPORARY CLOSURES SHALL BE COORDINATED WITH THE LOCAL JURISDICTIONS PRIOR TO IMPLEMENTATION.
 4. ADVANCED WARNING SIGN SPACING TO BE 500 FEET.

- CONSTRUCTION STAGING NOTES**
1. CLOSE HANFORD-ARMONA RD AT SR 43 AND 7TH AVE AND CONSTRUCT NEW BRIDGE AND ROAD IMPROVEMENTS.
 2. MAINTAIN ACCESS TO PROPERTIES ALONG HANFORD-ARMONA RD AT ALL TIMES DURING CONSTRUCTION.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

NEW SIGN No. (THIS SHEET ONLY)	NEW SIGN No. (SEE CV-15201 & CV-15202)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
AA		2 - 4" x 6"	E/B HANFORD-ARMONA CLOSED USE ALT ROUTE
BB		2 - 4" x 6"	W/B HANFORD-ARMONA CLOSED USE ALT ROUTE
CC		1 - 4" x 6"	HANFORD-ARMONA RD CLOSED USE ALT ROUTE
DD *	I	MOUNT SIGNS ON TYPE III BARRICADE	ROAD CLOSED TO THRU TRAFFIC
	AV		(TWO DIRECTION ARROW)

* PROVIDE ADDITIONAL TYPE III BARRICADE AND SIGN G (R11-2) WHEN LOCAL ACCESS IS NO LONGER ALLOWED. SEE CALIFORNIA MUTCD FIGURE 6H-20 FOR DETAILS.

78"

36"

**E/B Hanford-Armona
CLOSED
USE
ALT ROUTE**

4" UC
3" LC
SERIES E
BLACK/ORANGE

DETAIL SIGN AA
"E/B HANFORD-ARMONA
CLOSED
USE
ALT ROUTE"
(THIS SHEET ONLY)
NO SCALE

60"

36"

**Hanford-Armona
CLOSED
USE
ALT ROUTE**

4" UC
3" LC
SERIES E
BLACK/ORANGE

DETAIL SIGN CC
"HANFORD-ARMONA RD.
CLOSED
USE
ALT ROUTE"
(THIS SHEET ONLY)
NO SCALE

78"

36"

**W/B Hanford-Armona
CLOSED
USE
ALT ROUTE**

4" UC
3" LC
SERIES E
BLACK/ORANGE

DETAIL SIGN BB
"W/B HANFORD-ARMONA
CLOSED
USE
ALT ROUTE"
(THIS SHEET ONLY)
NO SCALE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BRANCH
DRAWN BY
P. QUACH
CHECKED BY
L. CHESLOCK
IN CHARGE
R. TREVETT
DATE
12/01/2017



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**
ROADWAY SEGMENT 2
MOTORIST INFORMATION PLAN
HANFORD ARMONA RD CLOSED


CONTRACT NO. HSR 13-57
DRAWING NO. CV-11001-210
SCALE AS SHOWN
SHEET NO. OF

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
NOTES

1. CONTRACTOR MAY USE TEMPORARY SIGN STANDS DURING SHORT-TERM CLOSURES.
2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY (CA) WHICH INDICATES A CALIFORNIA SIGN CODE.
3. ADVANCE SIGNAGE TO BE IN ACCORDANCE WITH FEDERAL SIGN CODE, CALIFORNIA SIGN CODE, PIP, AND COUNTY STANDARDS.


LEGEND




TEMPORARY SIGN



TYPE III BARRICADE




ROAD CLOSED



EXISTING ROAD



EXISTING MINOR ROAD



DETOUR ROUTE

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
(A)	W20-3		36 x 36	1 - 4" x 6"	ROAD CLOSED AHEAD
(B)	W20-2		36 x 36	1 - 4" x 6"	DETOUR AHEAD
(C)	M4-10 (L+)		48 x 18	*	DETOUR (LEFT ARROW)
(D)	M4-10 (R+)		48 x 18	*	DETOUR (RIGHT ARROW)
(E)	M4-8a		24 x 18	1 - 4" x 4"	END DETOUR
(F)		G7-1(CA)	VAR x 18	*	STREET NAME
(G)	R11-2		48 x 30	*	ROAD CLOSED
(H)	R11-3a		30 x 60	*	ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
(I)	R11-4		30 x 60	*	ROAD CLOSED TO THRU TRAFFIC
(J)	M4-9 (L+)		30 x 24	1 - 4" x 6"	DETOUR (LEFT ARROW)
(K)	M4-9 (R+)		30 x 24	1 - 4" x 6"	DETOUR (RIGHT ARROW)
(L)	M4-9 (UP)		30 x 24	1 - 4" x 6"	DETOUR (UP ARROW)
(M)	R3-1		24 x 24	1 - 4" x 4"	(NO RIGHT TURN)
(N)	R3-2		24 x 24	1 - 4" x 4"	(NO LEFT TURN)
(O)	M4-9 (UP R+)		48 x 36	1 - 4" x 6"	DETOUR (UP RIGHT ARROW)
(P)	M4-9 (L+)		48 x 36	1 - 4" x 6"	DETOUR (LEFT ARROW)
(Q)	M3-1		24 x 12	*	NORTH
(R)	M3-2		24 x 12	*	EAST
(S)	M3-3		24 x 12	*	SOUTH

* NOT USED ON INDIVIDUAL POSTS

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS (CONTINUED)

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
(T)	M3-4		24 x 12	*	WEST
(U)	M3-1		36 x 18	*	NORTH
(V)	M3-2		36 x 18	*	EAST
(W)	M3-3		36 x 18	*	SOUTH
(X)	M3-4		36 x 18	*	WEST
(Y)	M4-8		24 x 12	*	DETOUR
(Z)	M4-8		30 x 15	*	DETOUR
(AB)	M5-1 (R+)		21 x 15	*	(ADVANCE RIGHT ARROW)
(AC)	M5-1 (L+)		21 x 15	*	(ADVANCE LEFT ARROW)
(AD)	M5-2 (R+)		21 x 15	*	(ADVANCE UP RIGHT ARROW)
(AE)	M5-2 (L+)		21 x 15	*	(ADVANCE UP LEFT ARROW)
(AF)	M6-1 (R+)		21 x 15	*	(RIGHT ARROW)
(AG)	M6-1 (R+)		30 x 21	*	(RIGHT ARROW)
(AH)	M6-1 (L+)		21 x 15	*	(LEFT ARROW)
(AI)	M6-1 (L+)		30 x 21	*	(LEFT ARROW)
(AJ)	M6-2		30 x 21	*	(UP RIGHT ARROW)
(AK)	M6-3		21 x 15	*	(UP ARROW)
(AL)	M6-3		30 x 21	*	(UP ARROW)
(AM)		G28-2(CA)	21 x 18	*	(STATE ROUTE XX SHIELD)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. BRADY
DRAWN BY M. BRADY
CHECKED BY P. BARNEY
IN CHARGE R. TREVETT
DATE 02/20/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
GENERAL PACKAGE
MOTORIST INFORMATION SIGN DETAILS
(1 OF 2)

CONTRACT NO. HSR 13-57
DRAWING NO. CV-I5201
SCALE NO SCALE
SHEET NO. OF

\\dc1app23\ICS_workdir\19893\235636_83\1357-235-CV-15202.dgn
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STATIONARY MOUNTED CONSTRUCTION AREA SIGNS (CONTINUED)

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
AN		G28-2(CA)	35 x 32	*	(STATE ROUTE XX SHIELD)
AO	W20-2		48 x 48	1 - 6" X 6"	DETOUR 1500 FT
AP	W20-1		36 x 36	1 - 4" X 6"	ROAD WORK AHEAD
AQ					NOT USED
AR	W20-3		48 x 48	1 - 6" X 6"	ROAD CLOSED 1000 FT
AS	W20-3		48 x 48	1 - 6" X 6"	ROAD CLOSED 500 FT
AT	W1-6(L+)		48 x 24	*	(LEFT ARROW)
AU	W1-6(R+)		48 x 24	*	(RIGHT ARROW)
AV	W1-7		48 x 24	*	(TWO DIRECTION ARROW)

* NOT USED ON INDIVIDUAL POSTS

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. BRADY
DRAWN BY M. BRADY
CHECKED BY P. BARNEY
IN CHARGE R. TREVETT
DATE 02/20/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
GENERAL PACKAGE
MOTORIST INFORMATION SIGN DETAILS
(2 OF 2)

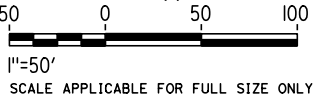
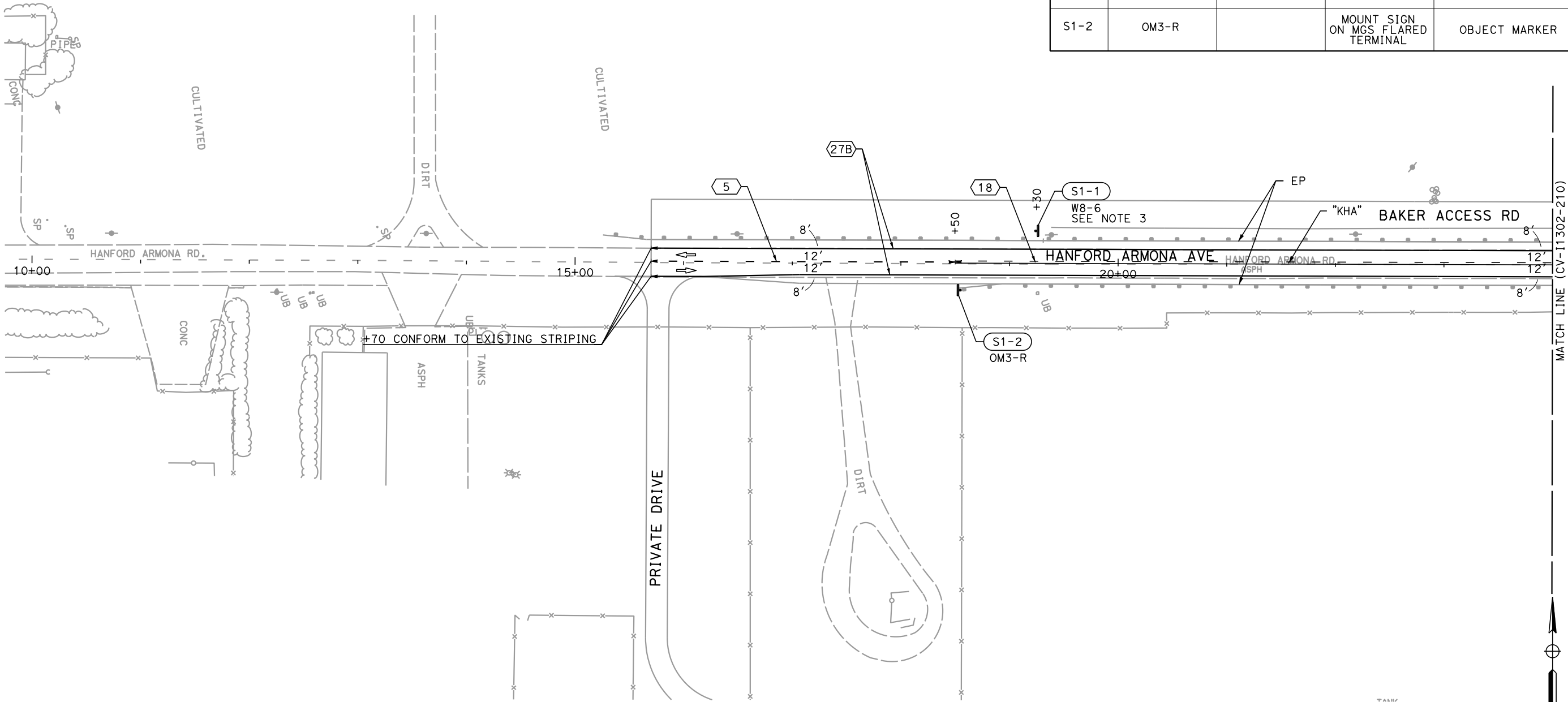
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SHEET NO. OF

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DC1APP23\$

- NOTE:**
- 1. ALL EXISTING SIGNS NOT SHOWN FOR REMOVAL, RELOCATION, OR RESETTING SHALL REMAIN IN PLACE.
 - 2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY <CA> WHICH INDICATES A CALIFORNIA SIGN CODE.
 - 3. PLACE SIGN 1' FROM EDGE OF PAVEMENT TO MINIMIZE IMPACT INTO BAKER ACCESS ROAD.

- LEGEND:**
- BEGIN/END OF TRAFFIC STRIPE DETAIL
 - CHANGE OF TRAFFIC STRIPE DETAIL
 - TRAFFIC STRIPE DETAIL No.
 - ROADSIDE SIGN, (1 POST)
 - ROADSIDE SIGN NUMBER
 - DIRECTION OF TRAVEL
 - 12" WHITE LIMIT LINE
 - PM PAVEMENT MARKING OR LEGEND AS SHOWN
 - SNS STREET NAME SIGN

NEW SIGN No.	SIGN CODE	PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
S1-1	W8-6	36 x 36	1 - 4" x 4"	TRUCK CROSSING
S1-2	OM3-R		MOUNT SIGN ON MGS FLARED TERMINAL	OBJECT MARKER



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY T. WANG
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/01/2017



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
HANFORD ARMONA RD

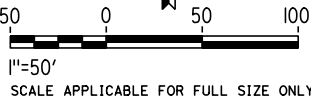
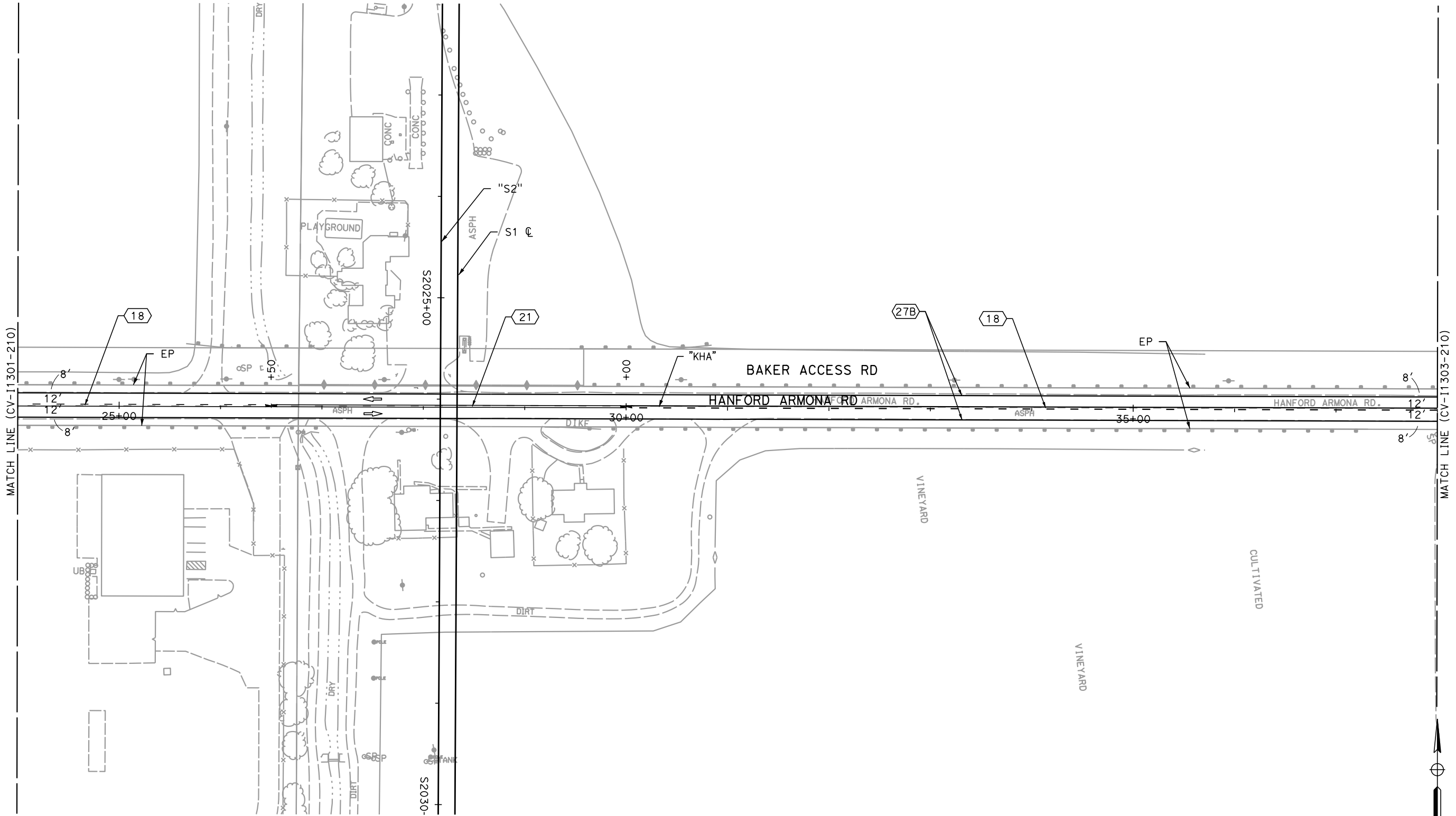
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SHEET NO. OF

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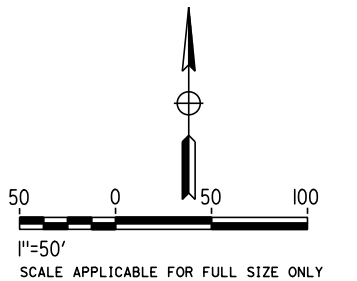
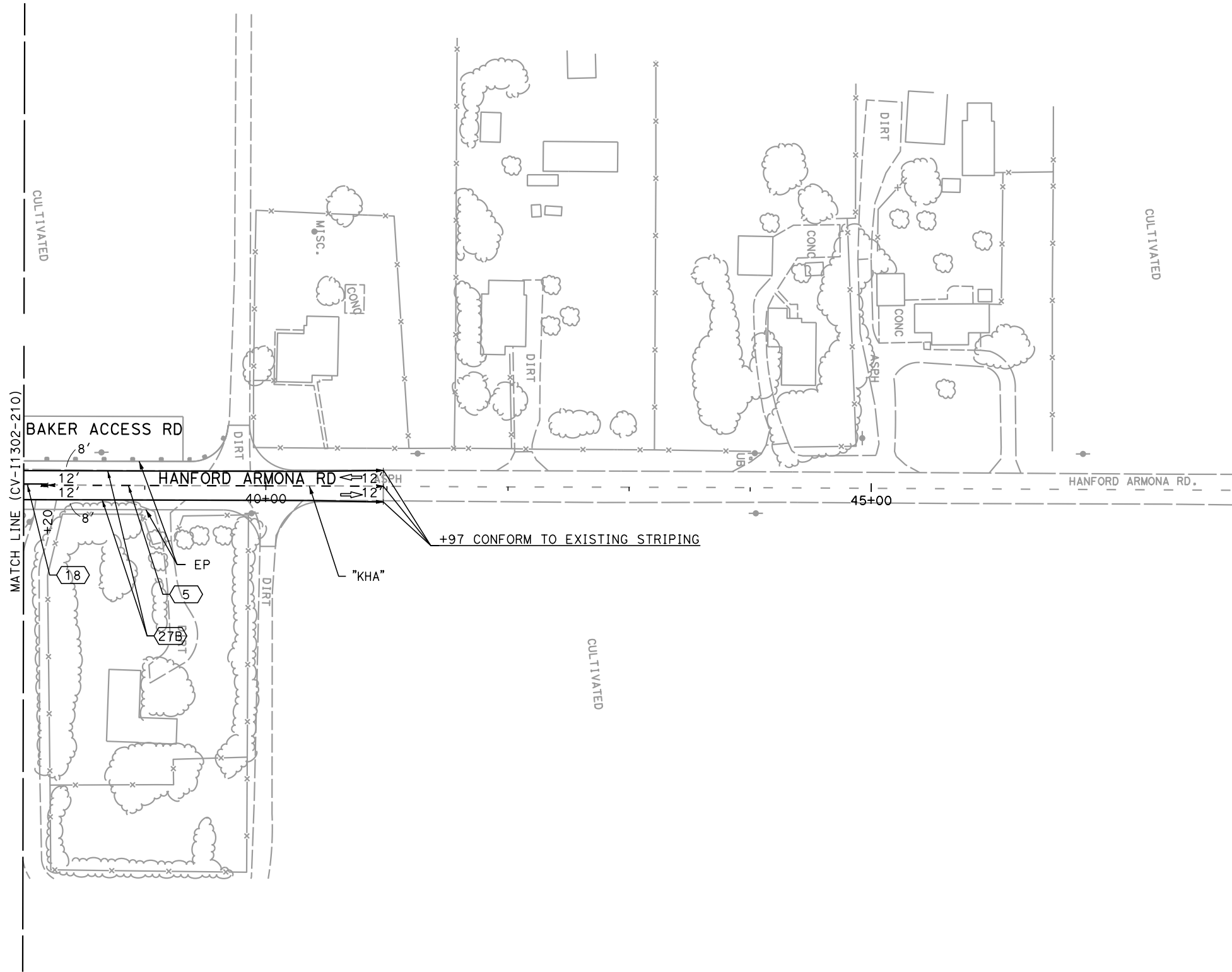
DESIGNED BY T. WANG
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/01/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
 ROADWAY SEGMENT 2
 PAVEMENT DELINEATION AND SIGN PLAN
 HANFORD ARMONA RD

CONTRACT NO. HSR 13-57
DRAWING NO. CV-11302-210
SCALE AS SHOWN
SHEET NO. OF

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY T. WANG
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/01/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
HANFORD ARMONA RD

CONTRACT NO. HSR 13-57
DRAWING NO. CV-I1303-210
SCALE AS SHOWN
SHEET NO. OF

EXHIBIT F4

Motorist Information Page

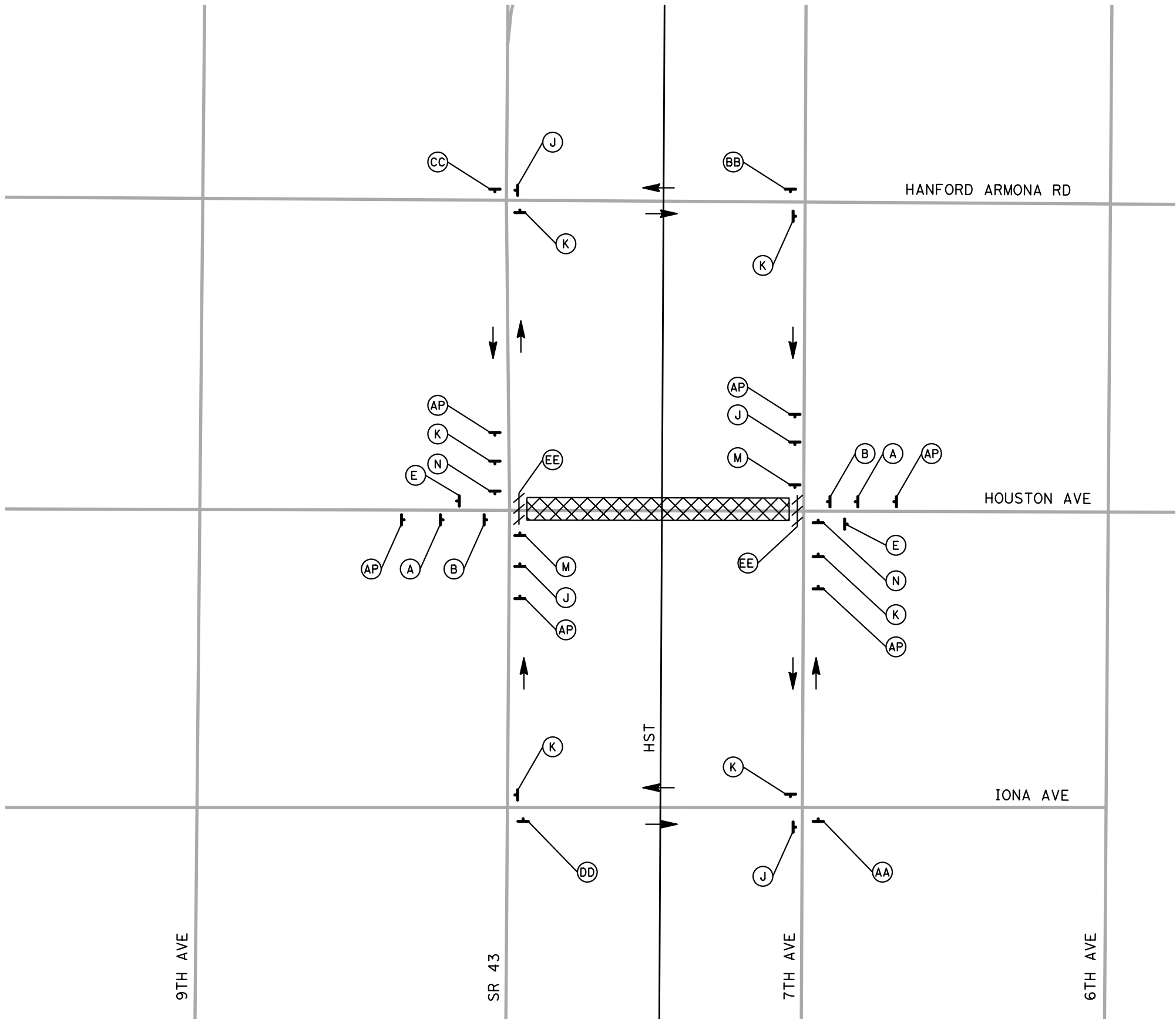
Houston Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

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iplotdrv.m.plt
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- NOTES:**
- SEE CORRIDOR WIDE GENERAL PACKAGE SHEETS CV-15201 AND CV-15202 FOR NOTES, LEGEND, AND STATIONARY MOUNTED CONSTRUCTION AREA SIGNS NOT SHOWN.
 - WITH THE APPROVAL OF THE LOCAL JURISDICTION, SIGNS IN CONFLICT WITH DETOUR SHALL BE COVERED OR REMOVED PRIOR TO RAMP/ROAD CLOSURE AND RESTORED TO ORIGINAL LOCATION/CONDITION UPON COMPLETION OF CLOSURE.
 - TEMPORARY CLOSURES AND DETOURS SHALL BE COORDINATED WITH THE LOCAL JURISDICTIONS PRIOR TO IMPLEMENTATION.
 - SEE CALIFORNIA MUTCD FIGURE 6H-20 FOR DETAILS NOT SHOWN.

- CONSTRUCTION STAGING NOTES**
- CLOSE HOUSTON AVE AT SR 43 AND 7TH AVE AND CONSTRUCT NEW BRIDGE AND ROAD IMPROVEMENTS.
 - MAINTAIN ACCESS TO PROPERTIES ALONG HOUSTON AVE AT ALL TIME DURING CONSTRUCTION.
 - COORDINATE WITH FIRE STATION #4 AND MAINTAIN EMERGENCY ACCESS TO THE EAST THROUGH THE CONSTRUCTION ZONE AT ALL TIMES.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

NEW SIGN No. (THIS SHEET ONLY)	NEW SIGN No. (SEE CV-15201 & CV-15202)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
AA	F	1 - 4" x 6"	HOUSTON AVE WEST
	J		DETOUR (LEFT ARROW)
BB	F	1 - 4" x 6"	HOUSTON AVE WEST
	K		DETOUR (RIGHT ARROW)
CC	F	1 - 4" x 6"	HOUSTON AVE EAST
	J		DETOUR (LEFT ARROW)
DD	F	1 - 4" x 6"	HOUSTON AVE EAST
	K		DETOUR (RIGHT ARROW)
EE*	I	MOUNT SIGNS ON TYPE III BARRICADE	ROAD CLOSED TO THRU TRAFFIC
	C		DETOUR (LEFT ARROW)

* MOUNT SIGN ON TYPE III BARRICADE. PROVIDE ADDITIONAL TYPE III BARRICADE AND SIGN G (R11-2) WHEN LOCAL ACCESS IS NO LONGER ALLOWED. SEE CALIFORNIA MUTCD FIGURE 6H-20 FOR DETAILS.

42"

24"

Houston Ave West

6" UC
4.5" LC
SERIES E
BLACK/ORANGE

DETAIL SIGN F

"HOUSTON AVE WEST"
(THIS SHEET ONLY)
NO SCALE

42"

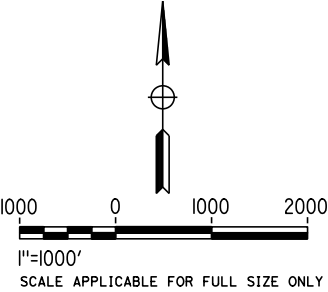
24"

Houston Ave East

6" UC
4.5" LC
SERIES E
BLACK/ORANGE

DETAIL SIGN F

"HOUSTON AVE EAST"
(THIS SHEET ONLY)
NO SCALE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY N. JENSEN
DRAWN BY N. JENSEN
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 10/25/2017



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**

ROADWAY SEGMENT 2
MOTORIST INFORMATION PLAN
HOUSTON AVE CLOSED


CONTRACT NO. HSR 13-57
DRAWING NO. CV-11001-211
SCALE AS SHOWN
SHEET NO. OF

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NOTES

1. CONTRACTOR MAY USE TEMPORARY SIGN STANDS DURING SHORT-TERM CLOSURES.
2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY (CA) WHICH INDICATES A CALIFORNIA SIGN CODE.
3. ADVANCE SIGNAGE TO BE IN ACCORDANCE WITH FEDERAL SIGN CODE, CALIFORNIA SIGN CODE, PIP, AND COUNTY STANDARDS.


LEGEND



TEMPORARY SIGN



TYPE III BARRICADE




ROAD CLOSED



EXISTING ROAD



EXISTING MINOR ROAD



DETOUR ROUTE

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
(A)	W20-3		36 x 36	1 - 4" x 6"	ROAD CLOSED AHEAD
(B)	W20-2		36 x 36	1 - 4" x 6"	DETOUR AHEAD
(C)	M4-10 (L+)		48 x 18	*	DETOUR (LEFT ARROW)
(D)	M4-10 (R+)		48 x 18	*	DETOUR (RIGHT ARROW)
(E)	M4-8a		24 x 18	1 - 4" x 4"	END DETOUR
(F)		G7-1(CA)	VAR x 18	*	STREET NAME
(G)	R11-2		48 x 30	*	ROAD CLOSED
(H)	R11-3a		30 x 60	*	ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
(I)	R11-4		30 x 60	*	ROAD CLOSED TO THRU TRAFFIC
(J)	M4-9 (L+)		30 x 24	1 - 4" x 6"	DETOUR (LEFT ARROW)
(K)	M4-9 (R+)		30 x 24	1 - 4" x 6"	DETOUR (RIGHT ARROW)
(L)	M4-9 (UP)		30 x 24	1 - 4" x 6"	DETOUR (UP ARROW)
(M)	R3-1		24 x 24	1 - 4" x 4"	(NO RIGHT TURN)
(N)	R3-2		24 x 24	1 - 4" x 4"	(NO LEFT TURN)
(O)	M4-9 (UP R+)		48 x 36	1 - 4" x 6"	DETOUR (UP RIGHT ARROW)
(P)	M4-9 (L+)		48 x 36	1 - 4" x 6"	DETOUR (LEFT ARROW)
(Q)	M3-1		24 x 12	*	NORTH
(R)	M3-2		24 x 12	*	EAST
(S)	M3-3		24 x 12	*	SOUTH

* NOT USED ON INDIVIDUAL POSTS

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS (CONTINUED)

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
(T)	M3-4		24 x 12	*	WEST
(U)	M3-1		36 x 18	*	NORTH
(V)	M3-2		36 x 18	*	EAST
(W)	M3-3		36 x 18	*	SOUTH
(X)	M3-4		36 x 18	*	WEST
(Y)	M4-8		24 x 12	*	DETOUR
(Z)	M4-8		30 x 15	*	DETOUR
(AB)	M5-1 (R+)		21 x 15	*	(ADVANCE RIGHT ARROW)
(AC)	M5-1 (L+)		21 x 15	*	(ADVANCE LEFT ARROW)
(AD)	M5-2 (R+)		21 x 15	*	(ADVANCE UP RIGHT ARROW)
(AE)	M5-2 (L+)		21 x 15	*	(ADVANCE UP LEFT ARROW)
(AF)	M6-1 (R+)		21 x 15	*	(RIGHT ARROW)
(AG)	M6-1 (R+)		30 x 21	*	(RIGHT ARROW)
(AH)	M6-1 (L+)		21 x 15	*	(LEFT ARROW)
(AI)	M6-1 (L+)		30 x 21	*	(LEFT ARROW)
(AJ)	M6-2		30 x 21	*	(UP RIGHT ARROW)
(AK)	M6-3		21 x 15	*	(UP ARROW)
(AL)	M6-3		30 x 21	*	(UP ARROW)
(AM)		G28-2(CA)	21 x 18	*	(STATE ROUTE XX SHIELD)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. BRADY
DRAWN BY M. BRADY
CHECKED BY P. BARNEY
IN CHARGE R. TREVETT
DATE 02/20/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
GENERAL PACKAGE
MOTORIST INFORMATION SIGN DETAILS
(1 OF 2)

CONTRACT NO. HSR 13-57
DRAWING NO. CV-I5201
SCALE NO SCALE
SHEET NO. OF

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STATIONARY MOUNTED CONSTRUCTION AREA SIGNS (CONTINUED)

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
AN		G28-2(CA)	35 x 32	*	(STATE ROUTE XX SHIELD)
AO	W20-2		48 x 48	1 - 6" X 6"	DETOUR 1500 FT
AP	W20-1		36 x 36	1 - 4" X 6"	ROAD WORK AHEAD
AQ					NOT USED
AR	W20-3		48 x 48	1 - 6" X 6"	ROAD CLOSED 1000 FT
AS	W20-3		48 x 48	1 - 6" X 6"	ROAD CLOSED 500 FT
AT	W1-6(L+)		48 x 24	*	(LEFT ARROW)
AU	W1-6(R+)		48 x 24	*	(RIGHT ARROW)
AV	W1-7		48 x 24	*	(TWO DIRECTION ARROW)

* NOT USED ON INDIVIDUAL POSTS

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. BRADY
DRAWN BY M. BRADY
CHECKED BY P. BARNEY
IN CHARGE R. TREVETT
DATE 02/20/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
GENERAL PACKAGE
MOTORIST INFORMATION SIGN DETAILS
(2 OF 2)

CONTRACT NO. HSR 13-57
DRAWING NO. CV-15202
SCALE NO SCALE
SHEET NO. OF

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NOTE:

1. ALL EXISTING SIGNS NOT SHOWN FOR REMOVAL, RELOCATION, OR RESETTING SHALL REMAIN IN PLACE.
2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY <CA> WHICH INDICATES A CALIFORNIA SIGN CODE.

LEGEND:

- ◄

BEGIN/END OF TRAFFIC STRIPE DETAIL
- ↔

CHANGE OF TRAFFIC STRIPE DETAIL
- XX

TRAFFIC STRIPE DETAIL No.
- ↑

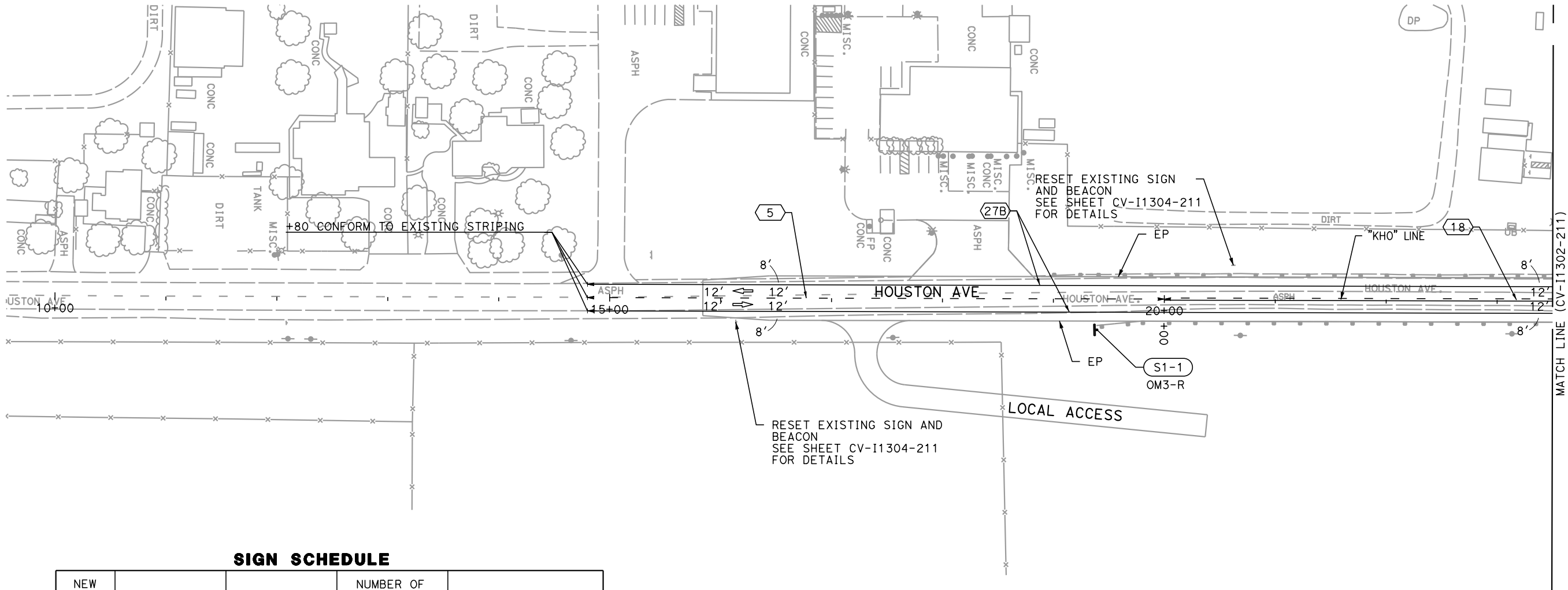
ROADSIDE SIGN, (1 POST)
- SIGN-No.

ROADSIDE SIGN NUMBER
- DIRECTION OF TRAVEL
- LL

12" WHITE LIMIT LINE
- PM

PAVEMENT MARKING OR LEGEND AS SHOWN
- SNS

STREET NAME SIGN

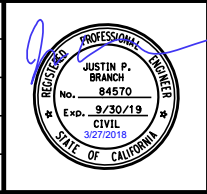


SIGN SCHEDULE

NEW SIGN No.	SIGN CODE	PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
S1-1	OM3-R		MOUNT SIGN ON MGS FLARED TERMINAL	OBJECT MARKER
S3-1	OM3-R		MOUNT SIGN ON MGS FLARED TERMINAL	OBJECT MARKER

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY T.WANG
DRAWN BY T.WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 10/25/2017

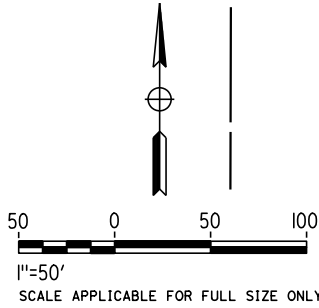
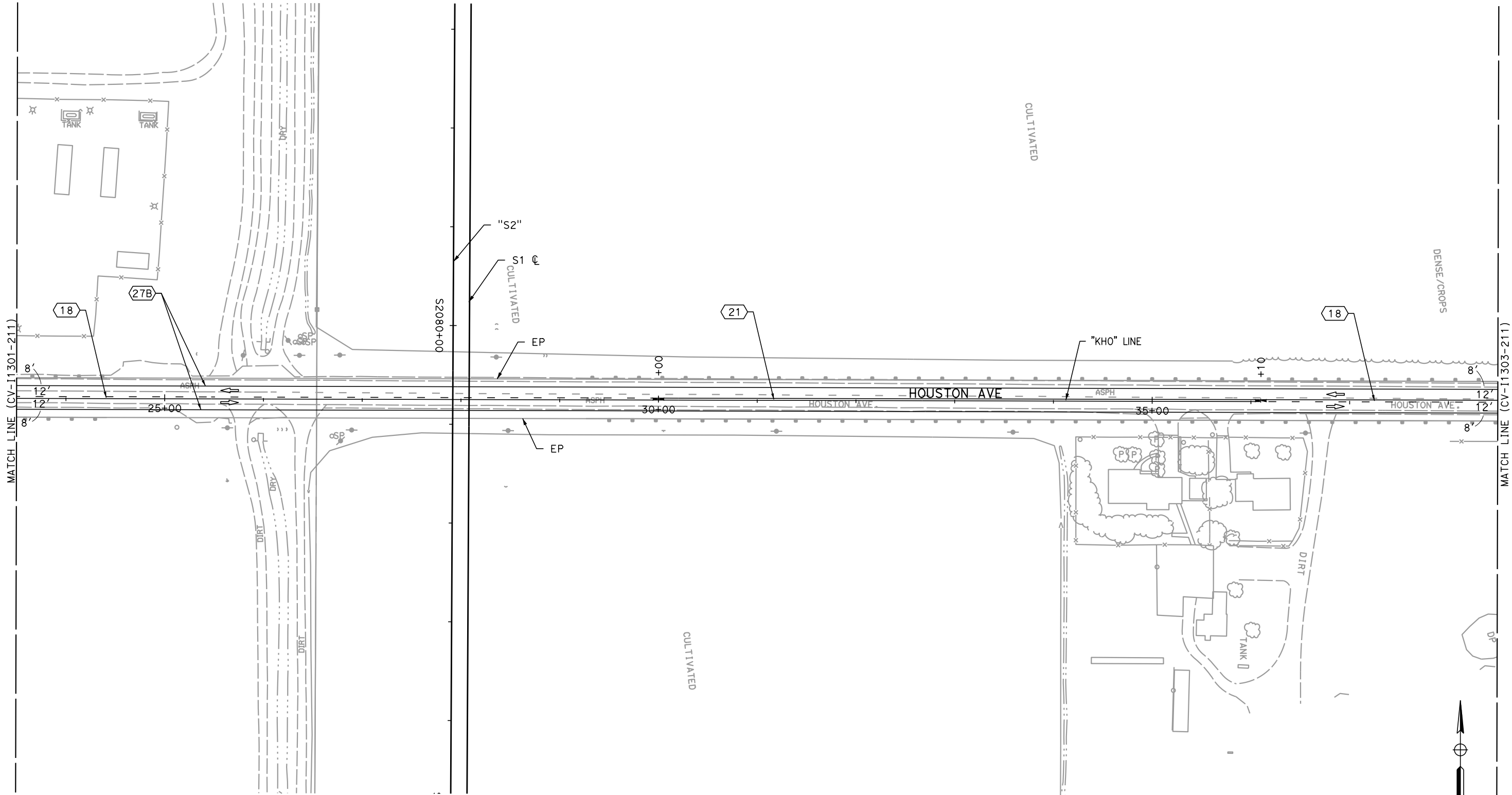


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3

ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
HOUSTON AVE

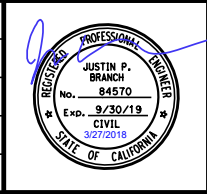
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SHEET NO. OF

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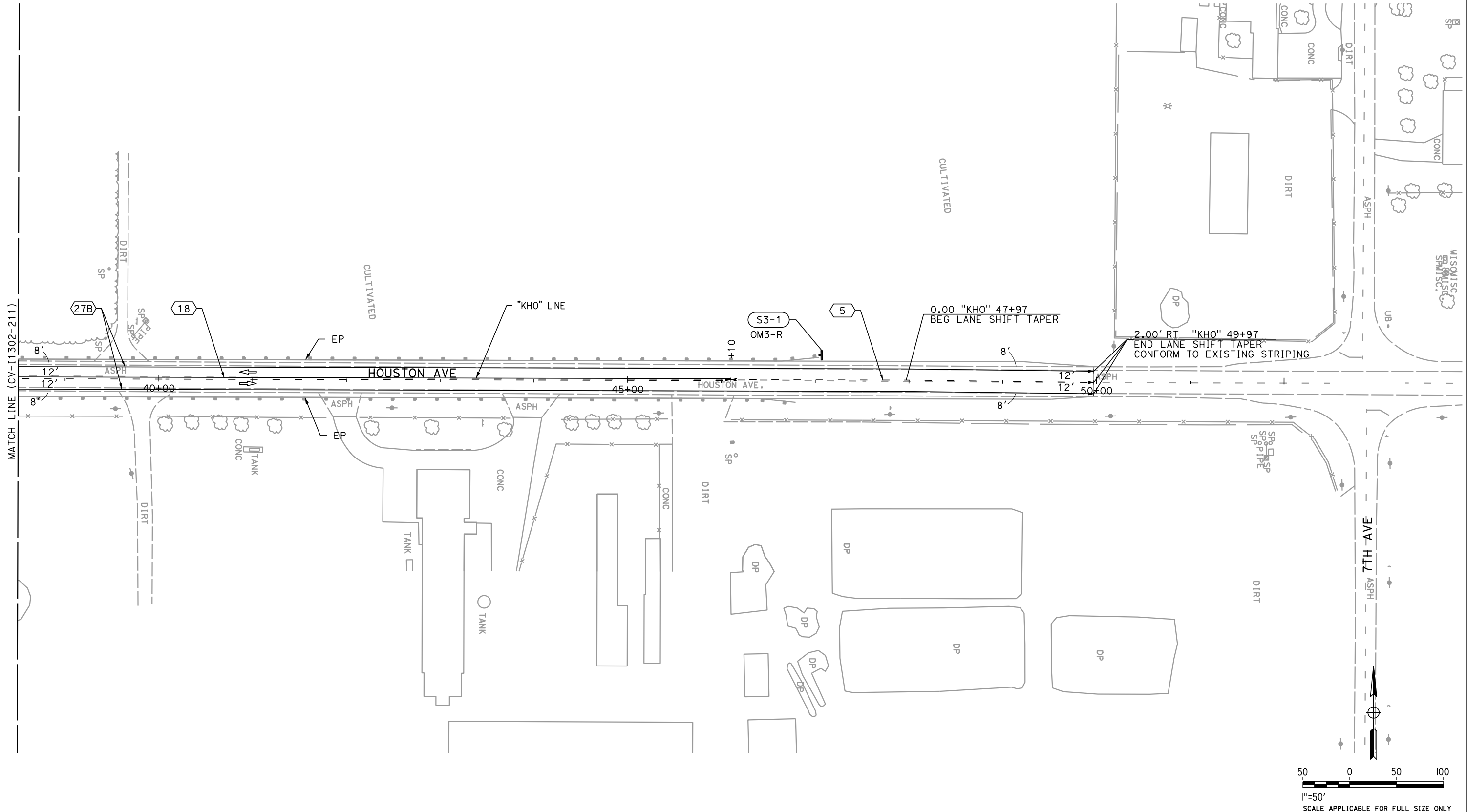
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DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 10/25/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
HOUSTON AVE

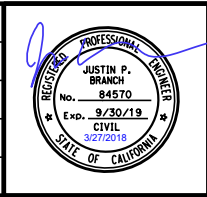
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. WANG
DRAWN BY
T. WANG
CHECKED BY
J. BRANCH
IN CHARGE
R. TREVETT
DATE
10/25/2017

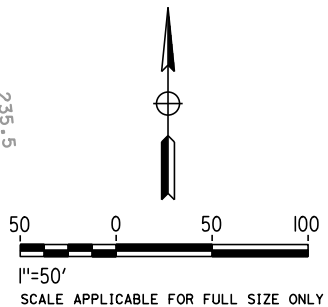
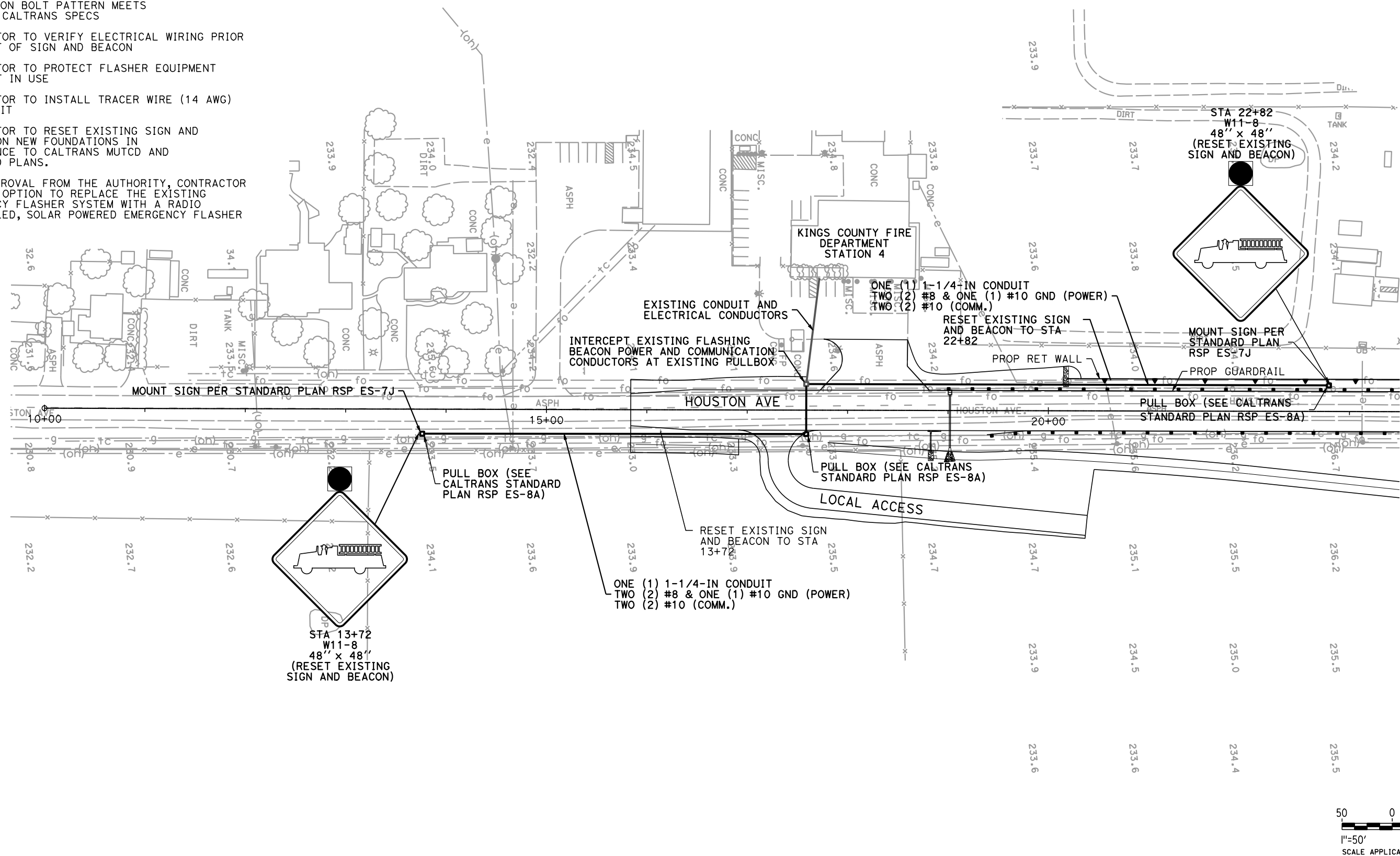


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**
ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
HOUSTON AVE

CONTRACT NO.
HSR 13-57
DRAWING NO.
CV-11303-211
SCALE
AS SHOWN
SHEET NO.
OF

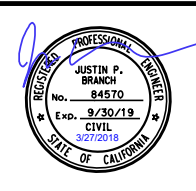
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- NOTES:
1. FOR UTILITY RELOCATION, SEE UTILITY PLANS.
 2. CONTRACTOR TO VERIFY THAT SIGN POST FOUNDATION BOLT PATTERN MEETS CURRENT CALTRANS SPECS
 3. CONTRACTOR TO VERIFY ELECTRICAL WIRING PRIOR TO RESET OF SIGN AND BEACON
 4. CONTRACTOR TO PROTECT FLASHER EQUIPMENT WHEN NOT IN USE
 5. CONTRACTOR TO INSTALL TRACER WIRE (14 AWG) IN CONDUIT
 6. CONTRACTOR TO RESET EXISTING SIGN AND BEACON ON NEW FOUNDATIONS IN ACCORDANCE TO CALTRANS MUTCD AND STANDARD PLANS.
 7. WITH APPROVAL FROM THE AUTHORITY, CONTRACTOR HAS THE OPTION TO REPLACE THE EXISTING EMERGENCY FLASHER SYSTEM WITH A RADIO CONTROLLED, SOLAR POWERED EMERGENCY FLASHER SYSTEM.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
N. YOUNG
DRAWN BY
N. YOUNG
CHECKED BY
L. CHESLOCK
IN CHARGE
R. TREVETT
DATE
10/25/2017



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3**
ROADWAY SEGMENT 2
EMERGENCY FLASHING BEACON RELOCATION
HOUSTON AVE

CONTRACT NO.
HSR 13-57
DRAWING NO.
CV-11304-211
SCALE
AS SHOWN
SHEET NO.
OF

EXHIBIT F5

Motorist Information Page

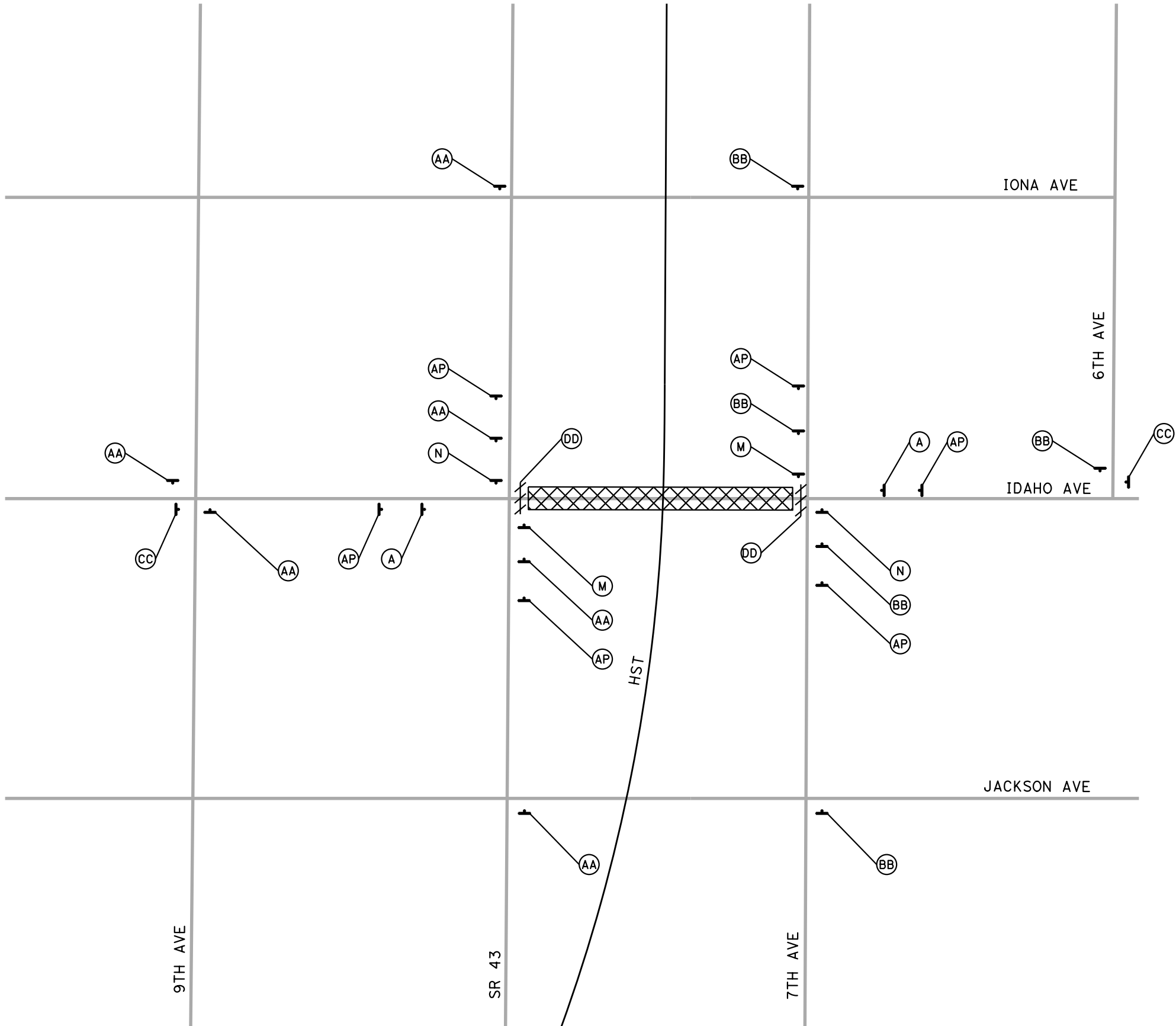
Idaho Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

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NOTES:

- SEE CORRIDOR WIDE GENERAL PACKAGE SHEETS CV-15201 AND CV-15202 FOR NOTES, LEGEND, AND STATIONARY MOUNTED CONSTRUCTION AREA SIGNS NOT SHOWN.
- WITH THE APPROVAL OF THE LOCAL JURISDICTION, SIGNS IN CONFLICT WITH ALTERNATE ROUTE SHALL BE COVERED OR REMOVED PRIOR TO RAMP/ROAD CLOSURE AND RESTORED TO ORIGINAL LOCATION/CONDITION UPON COMPLETION OF CLOSURE.
- TEMPORARY CLOSURES SHALL BE COORDINATED WITH THE LOCAL JURISDICTIONS PRIOR TO IMPLEMENTATION.
- ADVANCED WARNING SIGN SPACING TO BE 500 FEET.

CONSTRUCTION STAGING NOTES:

- CLOSE IDAHO AVE AT SR 43 AND 7TH AVE AND CONSTRUCT NEW BRIDGE AND ROAD IMPROVEMENTS.
- MAINTAIN ACCESS TO PROPERTIES ALONG IDAHO AVE AT ALL TIMES DURING CONSTRUCTION.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

NEW SIGN No. (THIS SHEET ONLY)	NEW SIGN No. (SEE CV-15201 & CV-15202)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
AA		1 - 4" x 6"	E/B IDAHO CLOSED USE ALT ROUTE
BB		1 - 4" x 6"	W/B IDAHO CLOSED USE ALT ROUTE
CC		1 - 4" x 6"	IDAHO AVE CLOSED USE ALT ROUTE
DD *	I	MOUNT SIGNS ON TYPE III BARRICADE	ROAD CLOSED TO THRU TRAFFIC
	AV		(TWO DIRECTION ARROW)

* PROVIDE ADDITIONAL TYPE III BARRICADE AND SIGN G (R11-2) WHEN LOCAL ACCESS IS NO LONGER ALLOWED. SEE CALIFORNIA MUTCD FIGURE 6H-20 FOR DETAILS.

48"

36"

E/B Idaho
CLOSED
USE
ALT ROUTE

4" UC
3" LC
SERIES E
BLACK/ORANGE

DETAIL SIGN AA

"E/B Idaho
CLOSED
USE
ALT ROUTE"
(THIS SHEET ONLY)
NO SCALE

48"

36"

W/B Idaho
CLOSED
USE
ALT ROUTE

4" UC
3" LC
SERIES E
BLACK/ORANGE

DETAIL SIGN BB

"W/B Idaho
CLOSED
USE
ALT ROUTE"
(THIS SHEET ONLY)
NO SCALE

48"

36"

Idaho Ave
CLOSED
USE
ALT ROUTE

4" UC
3" LC
SERIES E
BLACK/ORANGE

DETAIL SIGN CC

"IDAHO AVE
CLOSED
USE
ALT ROUTE"
(THIS SHEET ONLY)
NO SCALE

1000 0 1000 2000

1"=1000'

SCALE APPLICABLE FOR FULL SIZE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. BRANCH
DRAWN BY P. QUACH
CHECKED BY L. CHESLOCK
IN CHARGE R. TREVETT
DATE 12/15/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3

ROADWAY SEGMENT 2
MOTORIST INFORMATION PLAN
IDAHO AVE CLOSED


CONTRACT NO. HSR 13-57
DRAWING NO. CV-11001-213
SCALE AS SHOWN
SHEET NO. OF

\\dc1app23\ics_workdir\14661\235636_82\1357-235-CV-15201.dgn
ip1otdrvm.plt
CAHSR(No Stamp).tbl
DC1APP23\$ 11/28/2016 01:44:36 AM


NOTES

1. CONTRACTOR MAY USE TEMPORARY SIGN STANDS DURING SHORT-TERM CLOSURES.
2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY (CA) WHICH INDICATES A CALIFORNIA SIGN CODE.
3. ADVANCE SIGNAGE TO BE IN ACCORDANCE WITH FEDERAL SIGN CODE, CALIFORNIA SIGN CODE, PIP, AND COUNTY STANDARDS.


LEGEND




TEMPORARY SIGN



TYPE III BARRICADE




ROAD CLOSED



EXISTING ROAD



EXISTING MINOR ROAD



DETOUR ROUTE

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
(A)	W20-3		36 x 36	1 - 4" x 6"	ROAD CLOSED AHEAD
(B)	W20-2		36 x 36	1 - 4" x 6"	DETOUR AHEAD
(C)	M4-10 (L+)		48 x 18	*	DETOUR (LEFT ARROW)
(D)	M4-10 (R+)		48 x 18	*	DETOUR (RIGHT ARROW)
(E)	M4-8a		24 x 18	1 - 4" x 4"	END DETOUR
(F)		G7-1(CA)	VAR x 18	*	STREET NAME
(G)	R11-2		48 x 30	*	ROAD CLOSED
(H)	R11-3a		30 x 60	*	ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
(I)	R11-4		30 x 60	*	ROAD CLOSED TO THRU TRAFFIC
(J)	M4-9 (L+)		30 x 24	1 - 4" x 6"	DETOUR (LEFT ARROW)
(K)	M4-9 (R+)		30 x 24	1 - 4" x 6"	DETOUR (RIGHT ARROW)
(L)	M4-9 (UP)		30 x 24	1 - 4" x 6"	DETOUR (UP ARROW)
(M)	R3-1		24 x 24	1 - 4" x 4"	(NO RIGHT TURN)
(N)	R3-2		24 x 24	1 - 4" x 4"	(NO LEFT TURN)
(O)	M4-9 (UP R+)		48 x 36	1 - 4" x 6"	DETOUR (UP RIGHT ARROW)
(P)	M4-9 (L+)		48 x 36	1 - 4" x 6"	DETOUR (LEFT ARROW)
(Q)	M3-1		24 x 12	*	NORTH
(R)	M3-2		24 x 12	*	EAST
(S)	M3-3		24 x 12	*	SOUTH

* NOT USED ON INDIVIDUAL POSTS

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS (CONTINUED)

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
(T)	M3-4		24 x 12	*	WEST
(U)	M3-1		36 x 18	*	NORTH
(V)	M3-2		36 x 18	*	EAST
(W)	M3-3		36 x 18	*	SOUTH
(X)	M3-4		36 x 18	*	WEST
(Y)	M4-8		24 x 12	*	DETOUR
(Z)	M4-8		30 x 15	*	DETOUR
(AB)	M5-1 (R+)		21 x 15	*	(ADVANCE RIGHT ARROW)
(AC)	M5-1 (L+)		21 x 15	*	(ADVANCE LEFT ARROW)
(AD)	M5-2 (R+)		21 x 15	*	(ADVANCE UP RIGHT ARROW)
(AE)	M5-2 (L+)		21 x 15	*	(ADVANCE UP LEFT ARROW)
(AF)	M6-1 (R+)		21 x 15	*	(RIGHT ARROW)
(AG)	M6-1 (R+)		30 x 21	*	(RIGHT ARROW)
(AH)	M6-1 (L+)		21 x 15	*	(LEFT ARROW)
(AI)	M6-1 (L+)		30 x 21	*	(LEFT ARROW)
(AJ)	M6-2		30 x 21	*	(UP RIGHT ARROW)
(AK)	M6-3		21 x 15	*	(UP ARROW)
(AL)	M6-3		30 x 21	*	(UP ARROW)
(AM)		G28-2(CA)	21 x 18	*	(STATE ROUTE XX SHIELD)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. BRADY
DRAWN BY M. BRADY
CHECKED BY P. BARNEY
IN CHARGE R. TREVETT
DATE 02/20/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
GENERAL PACKAGE
MOTORIST INFORMATION SIGN DETAILS
(1 OF 2)

CONTRACT NO. HSR 13-57
DRAWING NO. CV-I5201
SCALE NO SCALE
SHEET NO. OF

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CAHSRP(No Stamp).tbl
DC1APP23\$ 2/17/2017 8:33:58 AM

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS (CONTINUED)

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
AN		G28-2(CA)	35 x 32	*	(STATE ROUTE XX SHIELD)
AO	W20-2		48 x 48	1 - 6" X 6"	DETOUR 1500 FT
AP	W20-1		36 x 36	1 - 4" X 6"	ROAD WORK AHEAD
AQ					NOT USED
AR	W20-3		48 x 48	1 - 6" X 6"	ROAD CLOSED 1000 FT
AS	W20-3		48 x 48	1 - 6" X 6"	ROAD CLOSED 500 FT
AT	W1-6(L+)		48 x 24	*	(LEFT ARROW)
AU	W1-6(R+)		48 x 24	*	(RIGHT ARROW)
AV	W1-7		48 x 24	*	(TWO DIRECTION ARROW)

* NOT USED ON INDIVIDUAL POSTS

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. BRADY
DRAWN BY M. BRADY
CHECKED BY P. BARNEY
IN CHARGE R. TREVETT
DATE 02/20/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
GENERAL PACKAGE
MOTORIST INFORMATION SIGN DETAILS
(2 OF 2)

CONTRACT NO. HSR 13-57
DRAWING NO. CV-15202
SCALE NO SCALE
SHEET NO. OF

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iplotdrv.m.plt

CAHSRP_RFC_SIGNED.tbl

DC1APP23\$ 4/2/2018 6:02:10 PM

NOTE:

1. ALL EXISTING SIGNS NOT SHOWN FOR REMOVAL, RELOCATION, OR RESETTING SHALL REMAIN IN PLACE.
2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY <CA> WHICH INDICATES A CALIFORNIA SIGN CODE.

LEGEND:

- ▶

BEGIN/END OF TRAFFIC STRIPE DETAIL
- ⚡

CHANGE OF TRAFFIC STRIPE DETAIL
- XX

TRAFFIC STRIPE DETAIL No.
- ↑

ROADSIDE SIGN, (1 POST)
- SIGN-No.

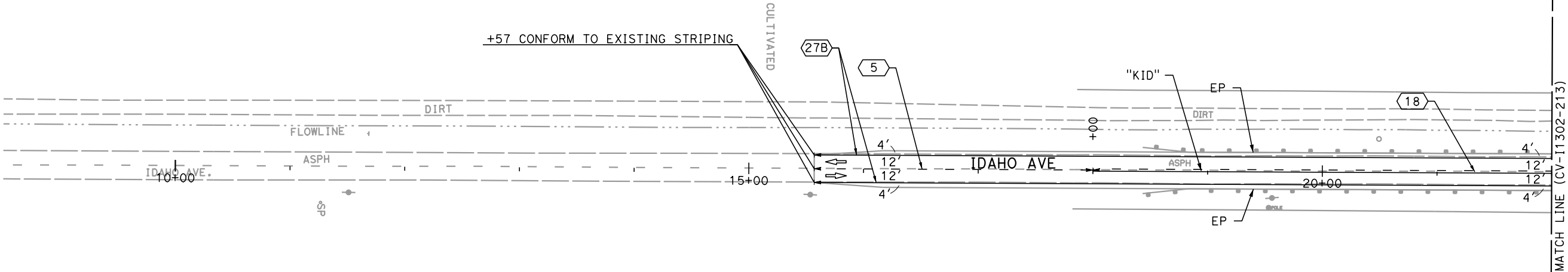
ROADSIDE SIGN NUMBER
- ➡

DIRECTION OF TRAVEL
- LL

12" WHITE LIMIT LINE
- PM

PAVEMENT MARKING OR LEGEND AS SHOWN
- SNS

STREET NAME SIGN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY T. WANG
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/15/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3

ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
IDAHO AVE

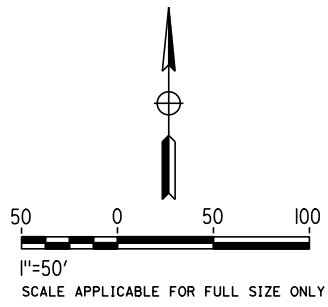
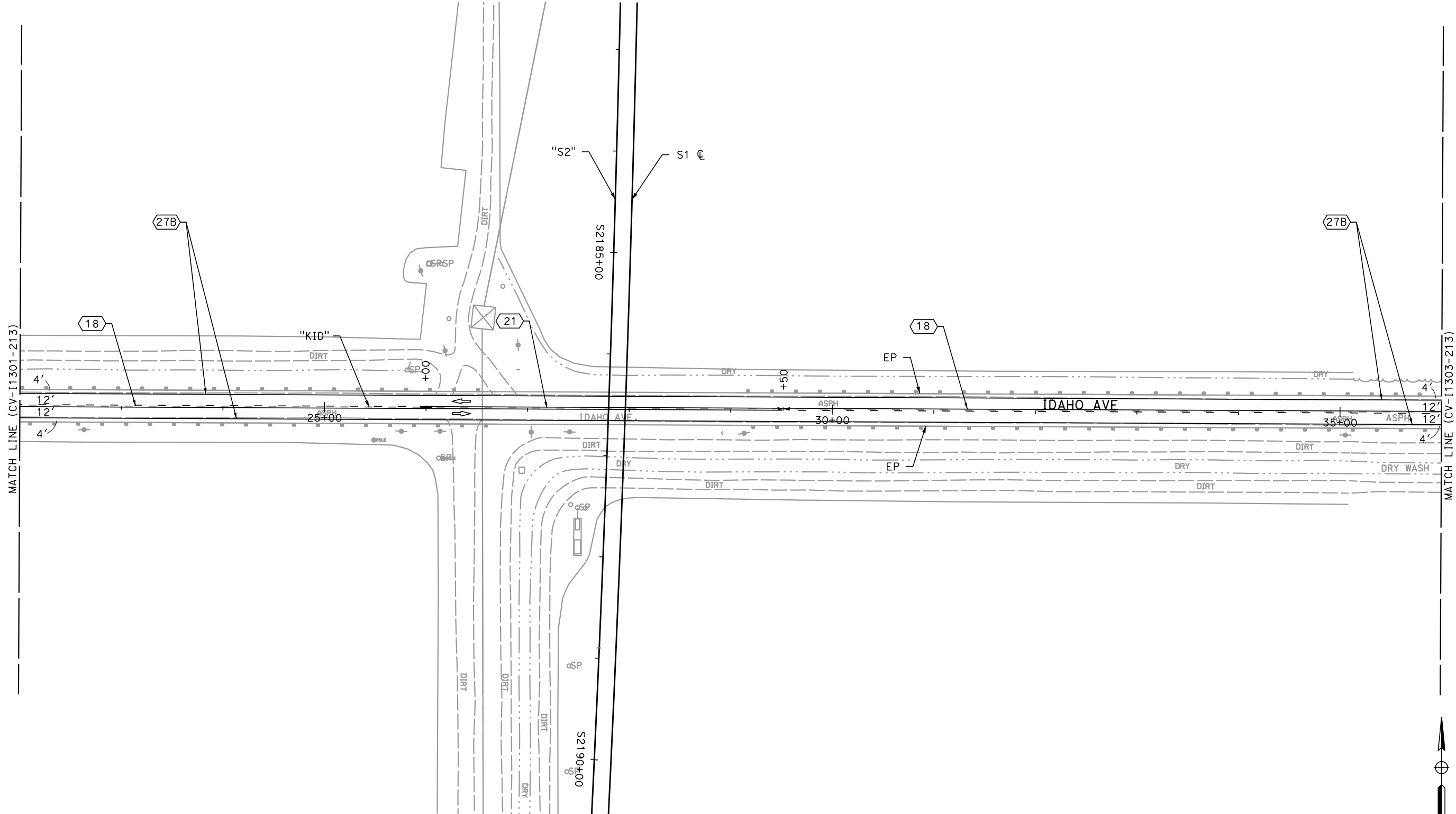
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HSR 13-57

DRAWING NO.
CV-11301-213

SCALE
AS SHOWN

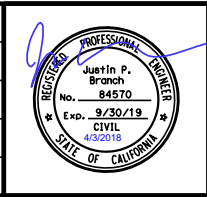
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OF

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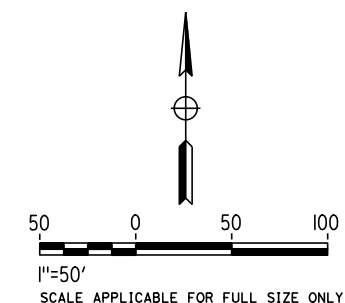
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY T. WANG
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 12/15/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
IDAHO AVE

CONTRACT NO. HSR 13-57
DRAWING NO. CV-I1302-213
SCALE AS SHOWN
SHEET NO. OF



						DESIGNED BY T. WANG				CALIFORNIA HIGH-SPEED TRAIN PROJECT FB - CONSTRUCTION PACKAGE 2-3 ROADWAY SEGMENT 2 PAVEMENT DELINEATION AND SIGN PLAN IDAHO AVE	CONTRACT NO. HSR 13-57
						DRAWN BY T. WANG					DRAWING NO. CV-11303-213
						CHECKED BY J. BRANCH					SCALE AS SHOWN
						IN CHARGE R. TREVETT					SHEET NO. OF
						DATE 12/15/2017					
REV	DATE	BY	CHK	APP	DESCRIPTION						

EXHIBIT F6

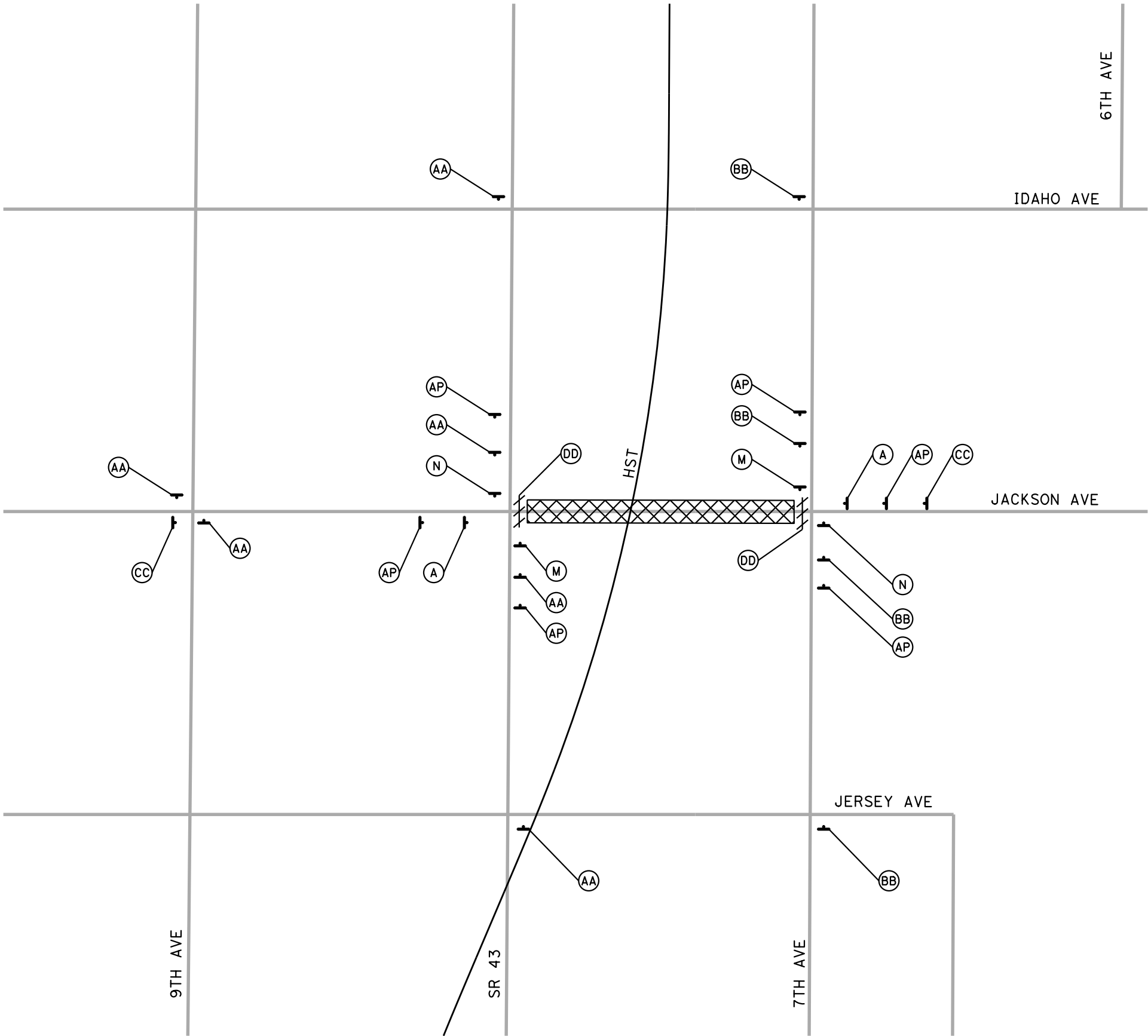
Motorist Information Page

Jackson Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662



NOTES:

1. SEE CORRIDOR WIDE GENERAL PACKAGE SHEETS CV-15201 AND CV-15202 FOR NOTES, LEGEND, AND STATIONARY MOUNTED CONSTRUCTION AREA SIGNS NOT SHOWN.
2. SIGNS IN CONFLICT WITH ALTERNATE ROUTE SHALL BE COVERED OR REMOVED PRIOR TO RAMP/ROAD CLOSURE AND RESTORED TO ORIGINAL LOCATION/CONDITION UPON COMPLETION OF CLOSURE.
3. TEMPORARY CLOSURES SHALL BE COORDINATED WITH THE LOCAL JURISDICTIONS PRIOR TO IMPLEMENTATION.
4. ADVANCED WARNING SIGN SPACING TO BE 500 FEET.

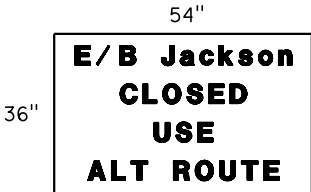
CONSTRUCTION STAGING NOTES

1. CLOSE JACKSON AVE AT SR 43 AND 7TH AVE AND CONSTRUCT NEW BRIDGE AND ROAD IMPROVEMENTS.
2. MAINTAIN ACCESS TO ALL PROPERTIES ON JACKSON AVE AT ALL TIMES DURING CONSTRUCTION.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

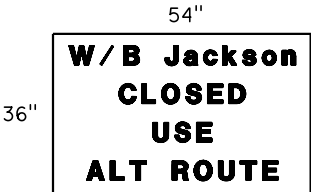
NEW SIGN No. (THIS SHEET ONLY)	NEW SIGN No. (SEE CV-15201 & CV-15202)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
AA		1 - 4" x 6"	E/B JACKSON CLOSED USE ALT ROUTE
BB		1 - 4" x 6"	W/B JACKSON CLOSED USE ALT ROUTE
CC		1 - 4" x 6"	JACKSON AVE CLOSED USE ALT ROUTE
DD*	I AV	MOUNT SIGNS ON TYPE III BARRICADE	ROAD CLOSED TO THRU TRAFFIC (TWO DIRECTION ARROW)

* PROVIDE ADDITIONAL TYPE III BARRICADE AND SIGN G (R11-2) WHEN LOCAL ACCESS IS NO LONGER ALLOWED. SEE CALIFORNIA MUTCD FIGURE 6H-20 FOR DETAILS.



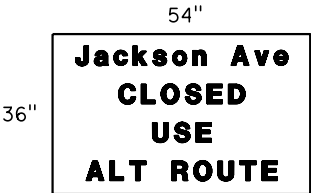
DETAIL SIGN AA

"E/B JACKSON
CLOSED
USE
ALT ROUTE"
(THIS SHEET ONLY)
NO SCALE



DETAIL SIGN BB

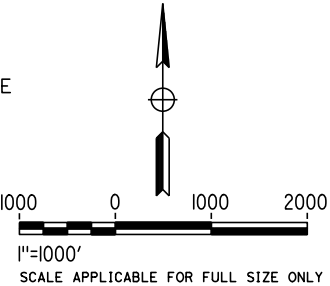
"W/B JACKSON
CLOSED
USE
ALT ROUTE"
(THIS SHEET ONLY)
NO SCALE



DETAIL SIGN CC

"JACKSON AVE
CLOSED
USE
ALT ROUTE"
(THIS SHEET ONLY)
NO SCALE

4" UC
3" LC
SERIES E
BLACK/ORANGE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. BRANCH
DRAWN BY P. QUACH
CHECKED BY L. CHESLOCK
IN CHARGE R. TREVETT
DATE 06/19/2018



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3

ROADWAY SEGMENT 2
MOTORIST INFORMATION PLAN
JACKSON AVE CLOSED

CONTRACT NO. HSR 13-57
DRAWING NO. CV-11001-214
SCALE AS SHOWN
SHEET NO. OF

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NOTES

1. CONTRACTOR MAY USE TEMPORARY SIGN STANDS DURING SHORT-TERM CLOSURES.
2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY (CA) WHICH INDICATES A CALIFORNIA SIGN CODE.
3. ADVANCE SIGNAGE TO BE IN ACCORDANCE WITH FEDERAL SIGN CODE, CALIFORNIA SIGN CODE, PIP, AND COUNTY STANDARDS.


LEGEND




TEMPORARY SIGN




TYPE III BARRICADE




ROAD CLOSED



EXISTING ROAD



EXISTING MINOR ROAD



DETOUR ROUTE

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
(A)	W20-3		36 x 36	1 - 4" x 6"	ROAD CLOSED AHEAD
(B)	W20-2		36 x 36	1 - 4" x 6"	DETOUR AHEAD
(C)	M4-10 (L+)		48 x 18	*	DETOUR (LEFT ARROW)
(D)	M4-10 (R+)		48 x 18	*	DETOUR (RIGHT ARROW)
(E)	M4-8a		24 x 18	1 - 4" x 4"	END DETOUR
(F)		G7-1(CA)	VAR x 18	*	STREET NAME
(G)	R11-2		48 x 30	*	ROAD CLOSED
(H)	R11-3a		30 x 60	*	ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
(I)	R11-4		30 x 60	*	ROAD CLOSED TO THRU TRAFFIC
(J)	M4-9 (L+)		30 x 24	1 - 4" x 6"	DETOUR (LEFT ARROW)
(K)	M4-9 (R+)		30 x 24	1 - 4" x 6"	DETOUR (RIGHT ARROW)
(L)	M4-9 (UP)		30 x 24	1 - 4" x 6"	DETOUR (UP ARROW)
(M)	R3-1		24 x 24	1 - 4" x 4"	(NO RIGHT TURN)
(N)	R3-2		24 x 24	1 - 4" x 4"	(NO LEFT TURN)
(O)	M4-9 (UP R+)		48 x 36	1 - 4" x 6"	DETOUR (UP RIGHT ARROW)
(P)	M4-9 (L+)		48 x 36	1 - 4" x 6"	DETOUR (LEFT ARROW)
(Q)	M3-1		24 x 12	*	NORTH
(R)	M3-2		24 x 12	*	EAST
(S)	M3-3		24 x 12	*	SOUTH

* NOT USED ON INDIVIDUAL POSTS

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS (CONTINUED)

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
(T)	M3-4		24 x 12	*	WEST
(U)	M3-1		36 x 18	*	NORTH
(V)	M3-2		36 x 18	*	EAST
(W)	M3-3		36 x 18	*	SOUTH
(X)	M3-4		36 x 18	*	WEST
(Y)	M4-8		24 x 12	*	DETOUR
(Z)	M4-8		30 x 15	*	DETOUR
(AB)	M5-1 (R+)		21 x 15	*	(ADVANCE RIGHT ARROW)
(AC)	M5-1 (L+)		21 x 15	*	(ADVANCE LEFT ARROW)
(AD)	M5-2 (R+)		21 x 15	*	(ADVANCE UP RIGHT ARROW)
(AE)	M5-2 (L+)		21 x 15	*	(ADVANCE UP LEFT ARROW)
(AF)	M6-1 (R+)		21 x 15	*	(RIGHT ARROW)
(AG)	M6-1 (R+)		30 x 21	*	(RIGHT ARROW)
(AH)	M6-1 (L+)		21 x 15	*	(LEFT ARROW)
(AI)	M6-1 (L+)		30 x 21	*	(LEFT ARROW)
(AJ)	M6-2		30 x 21	*	(UP RIGHT ARROW)
(AK)	M6-3		21 x 15	*	(UP ARROW)
(AL)	M6-3		30 x 21	*	(UP ARROW)
(AM)		G28-2(CA)	21 x 18	*	(STATE ROUTE XX SHIELD)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. BRADY
DRAWN BY M. BRADY
CHECKED BY P. BARNEY
IN CHARGE R. TREVETT
DATE 02/20/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
GENERAL PACKAGE
MOTORIST INFORMATION SIGN DETAILS
(1 OF 2)

CONTRACT NO. HSR 13-57
DRAWING NO. CV-I5201
SCALE NO SCALE
SHEET NO. OF

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DC1APP23\$ 2/17/2017 8:33:58 AM

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS (CONTINUED)

NEW SIGN No.	SIGN CODE		PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA			
AN		G28-2(CA)	35 x 32	*	(STATE ROUTE XX SHIELD)
AO	W20-2		48 x 48	1 - 6" X 6"	DETOUR 1500 FT
AP	W20-1		36 x 36	1 - 4" X 6"	ROAD WORK AHEAD
AQ					NOT USED
AR	W20-3		48 x 48	1 - 6" X 6"	ROAD CLOSED 1000 FT
AS	W20-3		48 x 48	1 - 6" X 6"	ROAD CLOSED 500 FT
AT	W1-6(L+)		48 x 24	*	(LEFT ARROW)
AU	W1-6(R+)		48 x 24	*	(RIGHT ARROW)
AV	W1-7		48 x 24	*	(TWO DIRECTION ARROW)

* NOT USED ON INDIVIDUAL POSTS

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. BRADY
DRAWN BY M. BRADY
CHECKED BY P. BARNEY
IN CHARGE R. TREVETT
DATE 02/20/2017



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3

GENERAL PACKAGE
MOTORIST INFORMATION SIGN DETAILS
(2 OF 2)

CONTRACT NO. HSR 13-57
DRAWING NO. CV-15202
SCALE NO SCALE
SHEET NO. OF

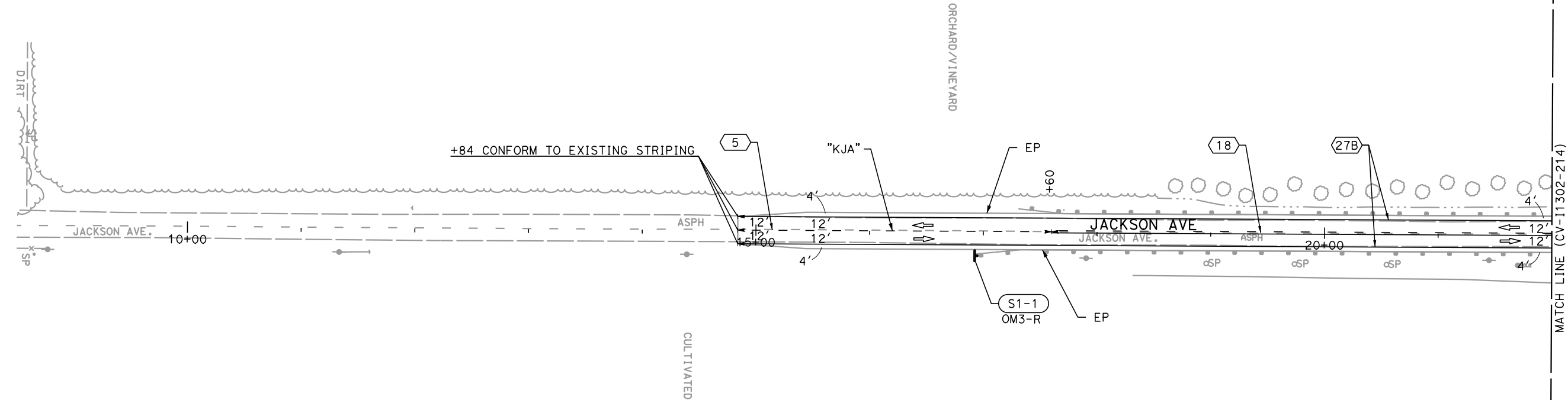
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NOTE:

1. ALL EXISTING SIGNS NOT SHOWN FOR REMOVAL, RELOCATION, OR RESETTING SHALL REMAIN IN PLACE.
2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY <CA> WHICH INDICATES A CALIFORNIA SIGN CODE.

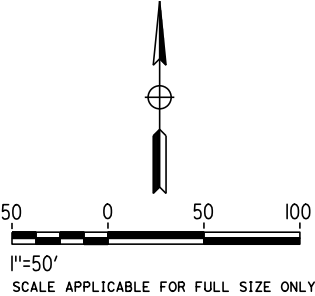
LEGEND:

- BEGIN/END OF TRAFFIC STRIPE DETAIL
- CHANGE OF TRAFFIC STRIPE DETAIL
- TRAFFIC STRIPE DETAIL No.
- ROADSIDE SIGN, (1 POST)
- ROADSIDE SIGN NUMBER
- DIRECTION OF TRAVEL
- 12" WHITE LIMIT LINE
- PAVEMENT MARKING OR LEGEND AS SHOWN
- STREET NAME SIGN



SIGN SCHEDULE

NEW SIGN No.	SIGN CODE	PANEL SIZE (IN)	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
S1-1	OM3-R		MOUNT SIGN ON MGS FLARED TERMINAL	OBJECT MARKER
S3-1	OM3-R		MOUNT SIGN ON MGS FLARED TERMINAL	OBJECT MARKER



REV	DATE	BY	CHK	APP	DESCRIPTION

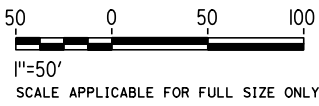
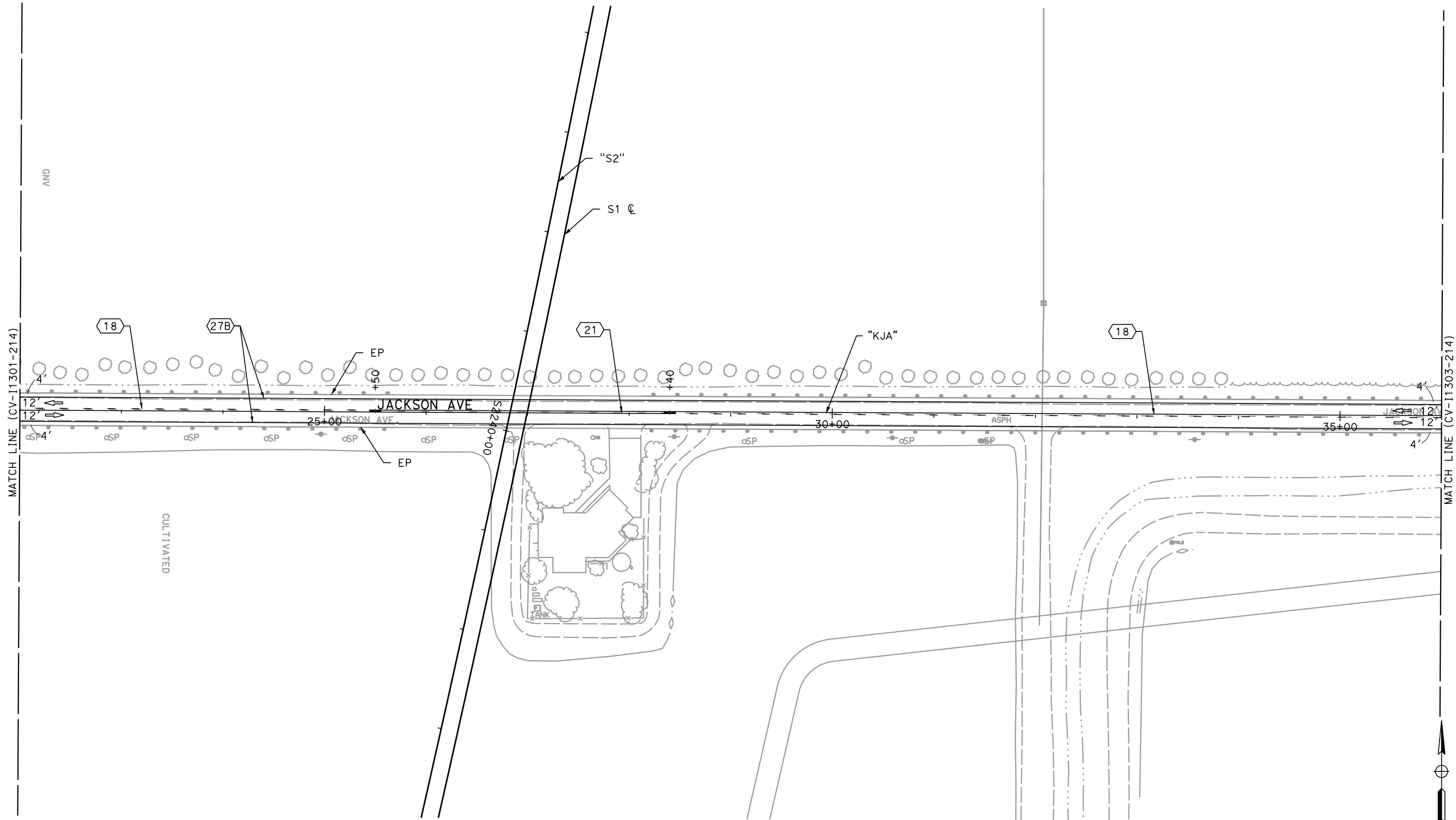
DESIGNED BY T. WANG
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 06/19/2018



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3

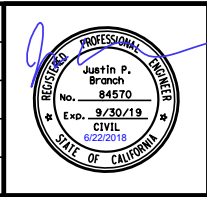
ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
JACKSON AVE

CONTRACT NO. HSR 13-57
DRAWING NO. CV-11 301-214
SCALE AS SHOWN
SHEET NO. OF



REV	DATE	BY	CHK	APP	DESCRIPTION

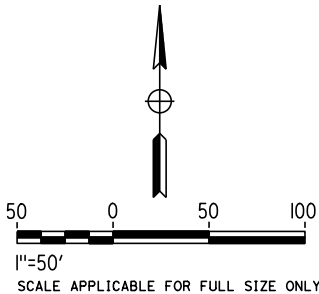
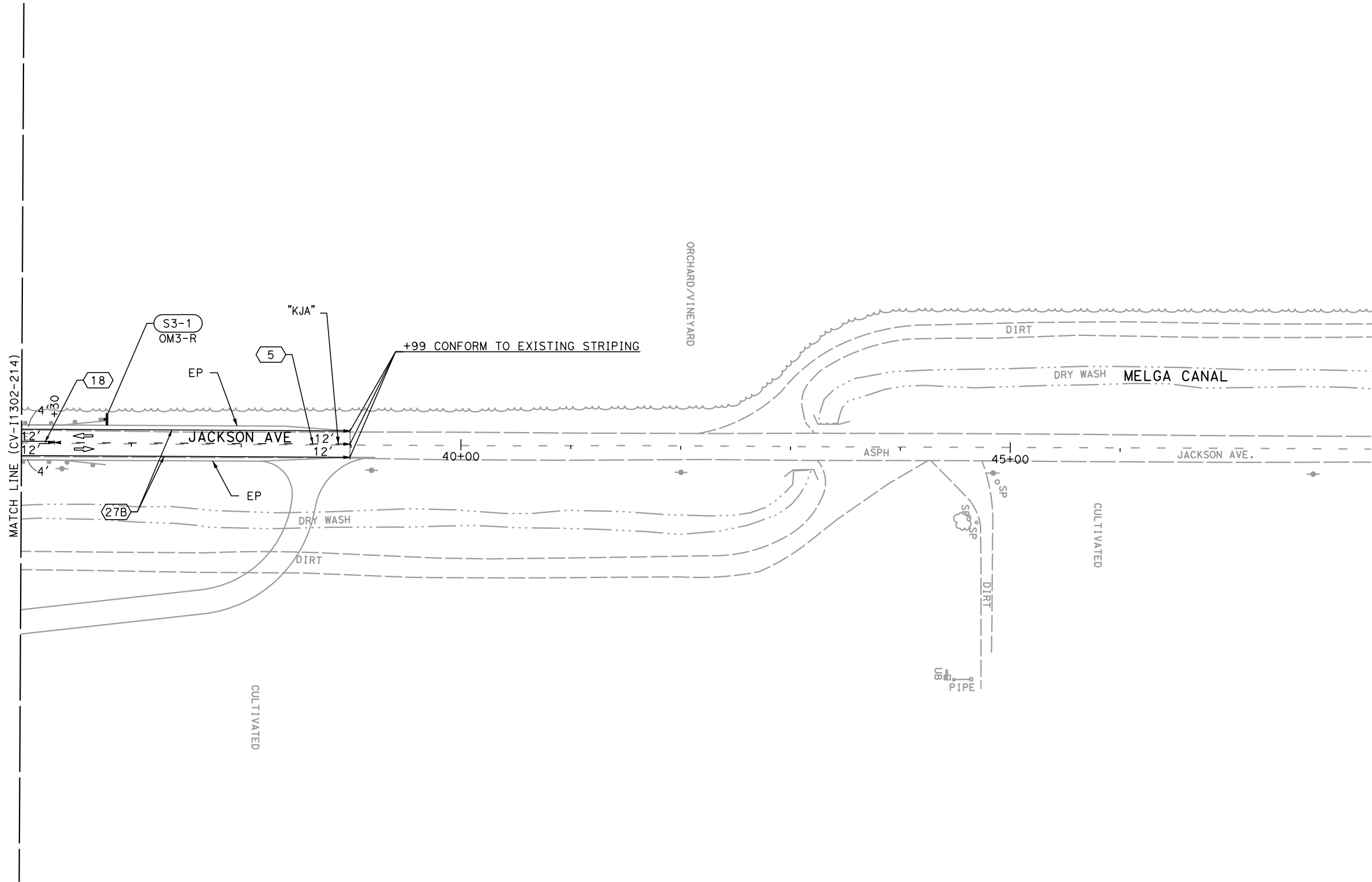
DESIGNED BY T. WANG
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 06/19/2018



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
JACKSON AVE

CONTRACT NO. HSR 13-57
DRAWING NO. CV-11302-214
SCALE AS SHOWN
SHEET NO. OF

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY T. WANG
DRAWN BY T. WANG
CHECKED BY J. BRANCH
IN CHARGE R. TREVETT
DATE 06/19/2018



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FB - CONSTRUCTION PACKAGE 2-3
ROADWAY SEGMENT 2
PAVEMENT DELINEATION AND SIGN PLAN
JACKSON AVE

CONTRACT NO. HSR 13-57
DRAWING NO. CV-I1303-214
SCALE AS SHOWN
SHEET NO. OF

EXHIBIT G1

Settlement Agreement between CHSRA and Kings County

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

Dover Avenue (217.82), Hanford-Armona Road (224.92), Houston Avenue (225.96), Idaho Avenue (227.96), and Jackson Avenue (228.96), And One Underpass Grade Separated Crossing at Grangeville Boulevard (222.91)

I, Kevin McAlister, an employee of County of Kings, authorized to sign this letter of agreement on its behalf, hereby declare that County of Kings concurs with CHSRA's request to construct the following new grade separations at Dover Avenue (217.82), Hanford-Armona Road (224.92), Houston Avenue (225.96), Idaho Avenue (227.96), and Jackson Avenue (228.96), And One Underpass Grade Separated Crossing at Grangeville Boulevard (222.91). Approval of the final design and construction of any new grade separation shall follow the applicable agreements entered into by County of Kings and CHSRA.



Kevin McAlister
Kings County Public Works Director
County of Kings
1400 W. Lacey Blvd
Hanford, CA 93230

Date

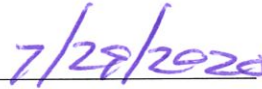


EXHIBIT H

Verification for Application

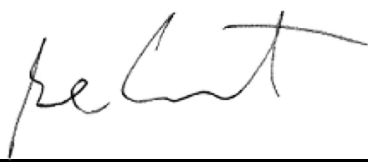
**Dragados Flatiron Joint Venture
1775 Park Street Suite 75
Selma, CA 93662**

Dover Avenue (217.82), Hanford-Armona Road (224.92), Houston Avenue (225.96), Idaho Avenue (227.96), and Jackson Avenue (228.96), And One Underpass Grade Separated Crossing at Grangeville Boulevard (222.91)

Exhibit H Verification

I am an officer of the California High-Speed Rail Authority, Applicant herein, and am authorized to make this verification on its behalf. The contents of this document are true of my own knowledge, except as matters that are stated on information or belief, and as to those matters, I believe them to be true.

Dated this 7th day of August, 2020 at Sacramento, California.

Signed _____

Bruce W. Armistead
Director of Operations and Maintenance
California High-Speed Rail Authority
770 L Street, Suite 620
Sacramento, CA 95814
Tel: (916) 324-1541

EXHIBIT I

Notice of Availability

Final EIR / EIS Fresno to Bakersfield Section of California High-Speed Train Project

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

Application of the California High-Speed Rail Authority for Approval to Construct Five New Grade-Separated Crossings Over Two Proposed High-Speed Rail Tracks Operated by California High-Speed Rail Authority at Dover Avenue (217.82), Hanford-Armona Road (224.92), Houston Avenue (225.96), Idaho Avenue (227.96), and Jackson Avenue (228.97), And One Underpass Grade-Separated Crossing under Two High-Speed Rail tracks at Grangeville Boulevard (222.91), Located in the County of Kings, State of California.

Application No. _____

NOTICE OF AVAILABILITY

**FINAL ENVIRONMENTAL IMPACT REPORT / ENVIRONMENTAL IMPACT
STATEMENT FOR THE FRESNO TO BAKERSFIELD SECTION OF THE CALIFORNIA
HIGH-SPEED TRAIN PROJECT**

TO ALL PARTIES TO THIS APPLICATION:

In support of its applications, the California High-Speed Rail Authority (Applicant) submitted the *Final Environmental Impact Report / Environmental Impact Statement for the Fresno to Bakersfield Section of the California High-Speed Train Project (Final EIR / EIS)* on an archival CD-ROM/DVD and six copies on standard CD-ROM/DVD to the Docket Office for physical filing as Exhibit I to application A1709017.

Pursuant to Rule 1.9(d) of the Commission's Rules of Practice and Procedure, the Applicant is issuing this Notice of Availability (NOA). The NOA is being served on all parties listed on the official service lists for this application, which are attached as Exhibit K – Certificate of Service.

The Final EIR/EIS is available at the following URL, which has been posted on the web since 2014: http://www.hsr.ca.gov/Programs/Environmental_Planning/final_fresno_bakersfield.html

California High Speed Rail Authority
Bruce Armistead
Director of Operations and Maintenance
Sacramento, CA 95814
Bruce.Armistead@hsr.ca.gov

EXHIBIT J1

Scoping Memo

Dover Avenue

**Dragados Flatiron Joint Venture
1775 Park Street Suite 75
Selma, CA 93662**

Scoping Memo Information for Applications

A. Category (Check the category that is most appropriate)

☐ Adjudicatory - “Adjudicatory” proceedings are: (1) enforcement investigations into possible violations of any provision of statutory law or order or rule of the Commission; and (2) complaints against regulated entities, including those complaints that challenge the accuracy of a bill, but excluding those complaints that challenge the reasonableness of rates or charges, past, present, or future, such as formal rough crossing complaints (maximum 12 month process if hearings are required).

X Ratesetting - “Ratesetting” proceedings are proceedings in which the Commission sets or investigates rates for a specifically named utility (or utilities), or establishes a mechanism that in turn sets the rates for a specifically named utility (or utilities). “Ratesetting” proceedings include complaints that challenge the reasonableness of rates or charges, past, present, or future. Other proceedings may also be categorized as ratesetting when they do not clearly fit into one category, such as railroad crossing applications (maximum 18 month process if hearings are required).

☐ Quasi-legislative - “Quasi-legislative” proceedings are proceedings that establish policy or rules (including generic ratemaking policy or rules) affecting a class of regulated entities, including those proceedings in which the Commission investigates rates or practices for an entire regulated industry or class of entities within the industry.

B. Are hearings necessary? Yes X No

If yes, identify the material disputed factual issues on which hearings should be held, and the general nature of the evidence to be introduced. Railroad crossing applications which are not controversial usually do not require hearings.

Are public witness hearings necessary?

Yes X No

Public witness hearings are set up for the purpose of getting input from the general public and any entity that will not be a party to the proceeding. Such input usually involves presenting written or oral statements to the presiding officer, not sworn testimony. Public witness statements are not subject to cross-examination.

H. Issues - List here the specific issues that need to be addressed in the proceeding.

None.

I. Schedule (Even if you checked “No” in section “B” above) should the Commission decide to hold hearings, indicate here the proposed schedule for completing the proceeding within 12 months (if categorized as adjudicatory) or 18 months (if categorized as ratesetting or quasi-legislative).

The schedule should include proposed dates for the following events as needed:

__ Date 8/24/20 Filing Date

__ Date 9/21/20 Comment Period (1 month from filing)

__ Date 12/21/20 Proposed Decision (4 months from filing)

__ Date 2/21/20 Final Decision (6 months from filing)

If hearing unexpectedly becomes necessary:

__ Date _____ Prehearing conference

__ Date _____ Hearing

__ Date _____ Brief due

__ Date _____ Submission

__ Date _____ Proposed decision (90 days after submission)

__ Date _____ Final decision (60 days after proposed decision is mailed)

EXHIBIT J2

Scoping Memo

Grangeville Avenue

**Dragados Flatiron Joint Venture
1775 Park Street Suite 75
Selma, CA 93662**

Scoping Memo Information for Applications

B. Category (Check the category that is most appropriate)

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B. Are hearings necessary? Yes X No

If yes, identify the material disputed factual issues on which hearings should be held, and the general nature of the evidence to be introduced. Railroad crossing applications which are not controversial usually do not require hearings.

Are public witness hearings necessary?

Yes X No

Public witness hearings are set up for the purpose of getting input from the general public and any entity that will not be a party to the proceeding. Such input usually involves presenting written or oral statements to the presiding officer, not sworn testimony. Public witness statements are not subject to cross-examination.

H. Issues - List here the specific issues that need to be addressed in the proceeding.

None.

I. Schedule (Even if you checked “No” in section “B” above) should the Commission decide to hold hearings, indicate here the proposed schedule for completing the proceeding within 12 months (if categorized as adjudicatory) or 18 months (if categorized as ratesetting or quasi-legislative).

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__ Date _____ Submission

__ Date _____ Proposed decision (90 days after submission)

__ Date _____ Final decision (60 days after proposed decision is mailed)

EXHIBIT J3

Scoping Memo

Hanford-Armona Avenue

Dragados Flatiron Joint Venture

1775 Park Street Suite 75

Selma, CA 93662

Scoping Memo Information for Applications

C. Category (Check the category that is most appropriate)

☐ Adjudicatory - “Adjudicatory” proceedings are: (1) enforcement investigations into possible violations of any provision of statutory law or order or rule of the Commission; and (2) complaints against regulated entities, including those complaints that challenge the accuracy of a bill, but excluding those complaints that challenge the reasonableness of rates or charges, past, present, or future, such as formal rough crossing complaints (maximum 12 month process if hearings are required).

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B. Are hearings necessary? Yes ☐ No ☒

If yes, identify the material disputed factual issues on which hearings should be held, and the general nature of the evidence to be introduced. Railroad crossing applications which are not controversial usually do not require hearings.

Are public witness hearings necessary?

Yes ☐ No ☒

Public witness hearings are set up for the purpose of getting input from the general public and any entity that will not be a party to the proceeding. Such input usually involves presenting written or oral statements to the presiding officer, not sworn testimony. Public witness statements are not subject to cross-examination.

H. Issues - List here the specific issues that need to be addressed in the proceeding.

None.

I. Schedule (Even if you checked “No” in section “B” above) should the Commission decide to hold hearings, indicate here the proposed schedule for completing the proceeding within 12 months (if categorized as adjudicatory) or 18 months (if categorized as ratesetting or quasi-legislative).

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__ Date _____ Brief due

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EXHIBIT J4

Scoping Memo

Houston Avenue

**Dragados Flatiron Joint Venture
1775 Park Street Suite 75
Selma, CA 93662**

Scoping Memo Information for Applications

D. Category (Check the category that is most appropriate)

☐ Adjudicatory - “Adjudicatory” proceedings are: (1) enforcement investigations into possible violations of any provision of statutory law or order or rule of the Commission; and (2) complaints against regulated entities, including those complaints that challenge the accuracy of a bill, but excluding those complaints that challenge the reasonableness of rates or charges, past, present, or future, such as formal rough crossing complaints (maximum 12 month process if hearings are required).

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B. Are hearings necessary? Yes X No

If yes, identify the material disputed factual issues on which hearings should be held, and the general nature of the evidence to be introduced. Railroad crossing applications which are not controversial usually do not require hearings.

Are public witness hearings necessary?

Yes X No

Public witness hearings are set up for the purpose of getting input from the general public and any entity that will not be a party to the proceeding. Such input usually involves presenting written or oral statements to the presiding officer, not sworn testimony. Public witness statements are not subject to cross-examination.

H. Issues - List here the specific issues that need to be addressed in the proceeding.

None.

I. Schedule (Even if you checked “No” in section “B” above) should the Commission decide to hold hearings, indicate here the proposed schedule for completing the proceeding within 12 months (if categorized as adjudicatory) or 18 months (if categorized as ratesetting or quasi-legislative).

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EXHIBIT J5

Scoping Memo

Idaho Avenue

**Dragados Flatiron Joint Venture
1775 Park Street Suite 75
Selma, CA 93662**

Scoping Memo Information for Applications

E. Category (Check the category that is most appropriate)

☐ Adjudicatory - “Adjudicatory” proceedings are: (1) enforcement investigations into possible violations of any provision of statutory law or order or rule of the Commission; and (2) complaints against regulated entities, including those complaints that challenge the accuracy of a bill, but excluding those complaints that challenge the reasonableness of rates or charges, past, present, or future, such as formal rough crossing complaints (maximum 12 month process if hearings are required).

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B. Are hearings necessary? Yes X No

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__ Date _____ Final decision (60 days after proposed decision is mailed)

EXHIBIT J6

Scoping Memo

Jackson Avenue

**Dragados Flatiron Joint Venture
1775 Park Street Suite 75
Selma, CA 93662**

Scoping Memo Information for Applications

F. Category (Check the category that is most appropriate)

☐ Adjudicatory - “Adjudicatory” proceedings are: (1) enforcement investigations into possible violations of any provision of statutory law or order or rule of the Commission; and (2) complaints against regulated entities, including those complaints that challenge the accuracy of a bill, but excluding those complaints that challenge the reasonableness of rates or charges, past, present, or future, such as formal rough crossing complaints (maximum 12 month process if hearings are required).

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__ Date _____ Final decision (60 days after proposed decision is mailed)

EXHIBIT K

Certification of Service

**Dragados Flatiron Joint Venture
1775 Park Street Suite 75
Selma, CA 93662**

CERTIFICATE OF SERVICE

I, Giovanni Alvarez, of Dragados Flatiron Joint Venture, on behalf of the California High-Speed Rail Authority, certify that I have this day mailed a copy of the attached Application and Exhibits in the above captioned proceeding by FedEx, or if noted, by e-mail or hand delivery, to each party named in the following service list, on this 21 day of August, 2012 at Selma, California.

By: 
Giovanni Alvarez
Field Engineer

Service List	
Parties:	
Bruce W. Armistead Director of Operations & Maintenance California High-Speed Rail Authority 770 L Street, Suite 620 Sacramento, CA 95814 Bruce.Armistead@hsr.ca.gov Email Only	Alberto Lopez CP 2-3 Senior Contract Manager California High-Speed Rail Authority 1775 Park Street, Building 75A Selma, CA 93662 Alberto.lopez@hsr.ca.gov Email Only
State:	
Anne Simon Chief Administrative Law Judge California Public Utilities Commission 505 Van Ness Avenue San Francisco, CA 94102 Anne.Simon@cpuc.ca.gov Email Only	
Marvin Kennix, Utilities Engineer Rail Crossings and Engineering Branch California Public Utilities Commission 180 Promenade Circle, Suite 115 Sacramento, CA 95834-2939 marvin.kennix@cpuc.ca.gov Email Only	Anton Garabetian, P.E. Supervisor Program and Project Supervisor Rail Crossing and Engineering Branch California Public Utilities Commission 320 West 4th Street, Suite 500 Los Angeles, CA 90013 Antranig.garabetian@cpuc.ca.gov Email Only

Information Only:	
Haidar Haddadin Construction Oversight Manager California High-Speed Rail Authority 1775 Park Street, Building 75A Selma, CA 93662 Haidar.Haddadin@hsr.ca.gov Email Only	Valentin Ibarra CP 2-3 Third Party Manager Dragados Flatiron Joint Venture 1775 Park Street, Building 75 Selma, CA 93662 Vibarra@dfcp23.com Email Only
	Kevin McAlister Kings County Public Works Director County of Kings 1400 W. Lacey Blvd Hanford, CA 93230 Kevin.McAlister@co.kings.ca.us Email Only